

# Manufacturers Record

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EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

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## Too Many Mergers and Consolidations

IN a recent issue, the Iron Age discussed very seriously the question of mergers and the "American system," a subject that is commanding the attention of the entire country. While we agree with much that the Iron Age said, we do not agree with the statement that "the general public is as firmly convinced of the merit of consolidations as it was certain of their menacing character two decades ago."

The American public, if we understand it, is living in dread of these many mergers; there is a rising storm of protest against them. There is a firm conviction, increasing from day to day, that many of these mergers and consolidations are a menace to the future welfare of the country. The Iron Age, we think, finds justification for the statement we have quoted in the wild scramble of people to absorb the securities of these merged organizations, but we do not regard that by any means as proof that the general public is convinced of the merit of consolidations. Speculators and investors generally are being flooded with marvelous tales of the wonderful profits that are made by those who first invested in the securities of this, that and the other corporation.

This reminds us of the fact that in the latter part of the 80's, when a wild boom was sweeping over the South, practically every real estate development or every projected town put forth a statement in regard to the remarkable success of the Elyton Land Company of Birmingham. It paid a dividend one year of \$2305 a share on a par value of \$100, though only \$50 a share had been paid in, really making a dividend of 4610 per cent for the year, and \$4500 was bid for the stock. That achievement was heralded as a reason why people should buy the stock of all the land companies and town companies that were being floated in the South, and thousands eagerly bit, but the time came when the Elyton Land Company went into bankruptcy.

Similar conditions were repeated at the same time in Kansas City and indeed throughout the whole West, and more recently in Florida, when the people of the country were flooded with literature offering lots, many of them under water and many which were far distant from any possible development for years to come. But thousands of people in all parts of the land eagerly bought such town lots, and now they are cursing Florida, because land sharks played them as "suckers" and they bit, swallowing bait, hook and sinker.

Promoters, large and small, great banking houses and smaller institutions, are now flooding the country with alluring advertisements of the stocks of merged corporations. The public is grabbing eagerly, as it grabbed at land speculations in the South and West in the 80's and as it grabbed at Florida speculations a few years ago. We venture to suggest that the banking houses, great and small, and promoters of one kind and another probably are not themselves carrying for permanent investment many of these securities with

which they are flooding the market as rapidly as the printing presses can turn out certificates.

While disagreeing, therefore, with that one statement of the Iron Age, the rest of its editorial is of sufficient interest to justify a careful study on the part of all the people of the land. The editorial follows:

"President Hoover gave much prominence in his campaign speeches to the 'American System.' In stressing the importance of individual initiative and private enterprise, he struck a sympathetic chord in a people not far removed from pioneer days. One of our most cherished beliefs is that American progress has been chiefly due to the absence of frozen social classes and to the energizing force of ambition in all ranks of life.

"How has the American system fared since its distinguished exponent took office? If invasion of business by the Government is made the test, it can be said that there has been little change. If all factors that influence the economic independence of the individual are concerned, the answer is quite different. The trend toward business consolidations has become more pronounced. While the resulting corporate organizations are in private hands, the individual's freedom of action is being further circumscribed. In food products, for example, mergers of manufacturing companies are being tied up with nation-wide chain store organizations, with the logical outcome—if the scheme should be developed to finality—of cutting off independent retailers from sources of supply and depriving ultimate consumers of choice in buying.

"Strange to say, the general public is as firmly convinced of the merit of consolidations as it was certain of their menacing character two decades ago. It sees in large-scale business the road to efficiency and the answer to increased competition. Promoters have capitalized the belief, floating the stock issues of mergers of all descriptions and incidentally reaping a harvest.

"It is not to be gainsaid that consolidations appear to be justified in certain fields—for instance, in the production of rolled steel—but by no means are they always sound and economic. It must also be borne in mind that promoters are sometimes guilty of sharp practice. Profits claimed for consolidations are not always to be taken at face value; they may be obtained temporarily, and until stock is unloaded on the public, by cutting off so many necessary items of expense as to do irreparable injury.

"If for the sake of argument it be granted that all consolidations are to survive, even those milked dry by promoters, the social implications of such a result would still be serious. Large-scale business demands large-scale financing, of which relatively few banking houses are capable. Thus it is not hard to envisage a great network of mammoth organizations controlled by a small group. That would be a far cry from the American system. It would reduce the mass of the population to cogs in a big business machine; it would provide little more stimulus to initiative than state socialism.

"Fortunately so sweeping a change in our economic structure is not an early prospect. While size in business is a compelling factor in some directions, management will always

be a more decisive influence. In the last analysis men rather than systems determine the destinies of industrial and commercial enterprises. Our greatest business successes have been traceable to executive ability of the first order. One need mention only Ford, Carnegie, Gary, du Pont and Rockefeller. Mergers may cause still more concern to champions of the American system before the trend of our economic development becomes clearly defined. Yet, it may be confidently predicted that in the future, as in the past, many large businesses will retrograde and many small businesses will prosper and grow great."

### MR. HOOVER SAID MANGANESE INDUSTRY DEPENDENT UPON TARIFF FOR EXISTENCE

IT has been reported in a number of newspapers that President Hoover is responsible for the change in the proposed tariff bill by which manganese was put on the free list. The MANUFACTURERS RECORD refuses to believe that statement, for in Pueblo, Colorado, on November 3 last Mr. Hoover, in an address to the people there, said:

"There is hardly a product in your whole state that is not dependent upon the tariff for its very existence. Of your minerals, zinc, tungsten and manganese could scarcely be produced except for a protective tariff."

Here Mr. Hoover specifically included manganese in the products which must be protected. The fact that the Bethlehem Steel Corporation and the United States Steel Corporation are reported to have brought their influence to bear upon the Senate Committee to put manganese on the free list cannot, we believe, for one moment have influenced President Hoover. Viewed from the Senate bill's recommendations, it is apparent that in some way, members of the committee have been influenced and some of the Senators may have believed that President Hoover had expressed a desire for putting manganese on the free list. We emphatically refuse to believe that statement until Mr. Hoover himself will come out and say so and give reasons for his change of heart. We believe that Mr. Hoover fully understood what he was saying when he told the Colorado people that manganese interests could not exist without a protective duty. We do not believe that he has been influenced by big interests to change his views on that point either by false statements or by bulldozing political tactics. If he has changed his mind and now favors free manganese, he owes it to himself and to the country to come out openly and give the reasons for his change of heart and mind.

### A SUGGESTION OF VITAL IMPORTANCE TO SOUTHERN CONGRESSMEN IN BEHALF OF THE SOUTH

A READER of the MANUFACTURERS RECORD, who fully understands the tariff situation, especially as it relates to the things that pertain to the welfare of the South, in a letter to this paper, writes:

"We commend your views to every representative and senator from the South. We commend them to all the thinking people of the South; to all who are interested in the progress and prosperity of this section and who are willing to stand on this platform for Southern progress."

### SOUTHERN INDUSTRY CENSUS

PREPARATIONS by the Government for the general census to be taken in 1930 have been more carefully considered and more scientifically developed than ever before. This census is to cover the population count, agriculture, manufactures, mining and distribution.

Never before has the Government so enlisted the support of manufacturers in preparing its schedule of questions as for the 1930 census. In view of this, it seems to us that manufacturers should co-operate to the fullest in supplying the necessary data.

For the glory of the South, if you please, but more particularly for the proper economic presentation of the South's industrial resources which by right it deserves, the MANUFACTURERS RECORD appeals to Southern manufacturers to co-operate with the Census Bureau of the Department of Commerce in aiding it to assemble the facts about Southern industry. It is only through manufacturers as a group, and by divisions or branches of manufacturing as a whole, furnishing individually the information—which is confidential as to units to the Census Bureau but published as a whole wherever such figures do not disclose the operation of individual concerns—that the census can be of any lasting value. This is a stupendous job, and the more promptly manufacturers answer and return the census blanks the more efficiently can the Census Bureau get the facts back to the manufacturer, to enable him to know the extent and growth of the particular branch in which he is interested.

### JAMES MITCHELL FIRST PRESIDENT OF ALABAMA POWER CO.

IN an editorial in our issue of September 5, discussing the expansion of the South's power facilities, we referred to the "late Sidney Z. Mitchell" as being the first president of the Alabama Power Company. We exceedingly regret such an error since it was James Mitchell who was the first president of the company and who stated that it was the purpose of his company to spend \$50,000,000 on the development of hydro-electric power in the South. Sidney Z. Mitchell is a director of the Alabama Power Company, but was never president, and we are happy to say that, instead of being "late," he is very much "present." Thomas W. Martin is now president of the Alabama Power Company and has been for many years.

At the dedication of the Jordan Dam of the Alabama Power Company, on November 21, 1927, the speaker of the day said:

"In naming this the Jordan Dam, you are paying tribute to two men whose roots are deep in the soil of Alabama: the sons of Elmira Jordan and William Mitchell are the grandsons of the Reuben Jordan who fought with General Jackson in the war of 1812, and who settled more than a century ago in this Coosa Valley within ten miles of where we stand.

"It would be presumptuous of me to speak to his friends and neighbors of Col. R. A. Mitchell, vice-president of the Alabama Power Company. His life has been spent among you. His works speak for themselves. You are honoring him today in giving his mother's name to this structure on which he has labored so long and so well.

"Of the other living son of Elmira Jordan, the other grandson of Reuben Jordan, I can speak with greater knowledge. Sidney Z. Mitchell belongs not to Alabama alone, but to the entire nation. He has been content to write his record in the twinkling lights of homes and the humming wheels of factories rather than in the columns of the press. He has been a builder and a pioneer. He built and operated the first electric system west of the Rocky Mountains. He was the first to pool the credit of scattered and struggling electric plants, and thus work out a scientific method of financing electric growth. He was the father of the principle of interconnection which has been the chief factor in the maintenance of cheap and dependable electric service."



## Southern Congressmen Must Stand by Their Own Section and Join With Republicans in Passing a Well-Rounded Protective Tariff Bill

IN the Herald Tribune of New York, Mark Sullivan quotes freely from a recent open-letter editorial in the MANUFACTURERS RECORD to the Congressmen of the South. In the course of his letter he said:

"The key to this tariff is the Democrats, especially the Southern Democrats. That fact is not recognized yet in Washington, but it is recognized in the South; that is, in those quarters of the South that are most interested in the tariff.

"Of the Southerners who favor the tariff—or at least a high tariff of some sort—the principal spokesman is the MANUFACTURERS RECORD. That periodical, by its name, sounds like something published in New York or Chicago. Actually, its field is the South; it is by far the leading business periodical—almost the only important business periodical—in the section between Baltimore and El Paso, Tex. It has the energy, the bulk, the up-to-dateness and all the other qualities of the most advanced business organs in any Eastern industrial district.

"The MANUFACTURERS RECORD has talked high tariff ever since this session began. (Editor's Note—Mr. Sullivan might have said it has done this for the 47 years of its existence.) It has inspired and applauded organized demands for a high tariff from Southern communities. It has scolded Southern Democratic Congressmen and Senators who opposed the pending bill. In its latest issue, it publishes an open letter broadside. The point of this open letter is that it does not stop with demanding protection for Southern industries and interests; it does not stop with the familiar appeal to the Republicans to let the tariff umbrella spread its favoring shade over the South as well as the North.

"This present utterance, to use a Southern phrase, 'goes the whole hog.' We have here, for the first time, from any Southern source so important as this, a plain declaration that Southern Democrats to Congress ought to vote for an all-round high tariff—ought, in short, to take exactly the same position as the most thoroughgoing high-protection congressman from New England. This utterance is a landmark. It is doubtful if anything like it has come out of any important source in the South during the hundred years that the tariff has been a political issue.

"This utterance is not merely a landmark in the historic sense. It has a most pointed bearing on the stage to which the pending tariff has now come. What this Southern organ says the Southern Democrats ought to do constitutes the key to whether or not this Congress will enact a protective tariff, or any tariff.

"The MANUFACTURERS RECORD, with the emphasis of black type, exhorts Southern Congressmen thus:

"Every Southern Congressman knows \* \* \* that he cannot win for his section unless he works in harmony with leaders from other sections. \* \* \* Other sections will get to a large extent what they are demanding. The South will get very little of what it needs and some of its people are demanding, unless its Congressmen unite with the Congressmen of other sections in this work and cease antagonizing the passage of a well-rounded tariff bill for everything in all sections."

"This Southern organ does not realize how truthfully it speaks, for in another place it says, again in italicized type: 'A protective tariff bill will be passed by the present Congress.' That is a common expectation. It is by no means certain to be fulfilled. Increasingly from now on it will be realized that no tariff at all is decidedly one of the possible outcomes of this session. If this Congress passes a tariff bill—and most especially if it passes a 'well-rounded tariff bill for everything in all sections'—it will be done with the aid of Southern Democratic votes. It cannot be done otherwise.

"The Democratic votes may come—but they must come

in considerable numbers, and that will be a new thing. It is not unusual for a scattering margin of two or three Democratic Senators and a half-dozen Democratic members of the lower house to help the Republicans pass a protective tariff bill. Again and again, for half a century past, the two Democratic Senators from Louisiana have voted with the Republicans on a general tariff bill for the sake of their local interest in sugar.

"Already in this session the conspicuous Democratic Congresswoman from Florida, Mrs. Ruth Bryan Owen, voted for the pending bill as it went through the House. One wonders what her father, William Jennings Bryan, would think; or her uncle Charlie, some time Democratic Governor of Nebraska and Democratic candidate for Vice-President in 1924.

"To pass this tariff bill in anything like its present form; indeed, to pass any tariff bill at this session—to give the bill the momentum which it must have and which it has actually been losing lately—for that purpose there must be, practically speaking, general Democratic assent to it.

"The reader will have begun to wonder why this is so—in what respect the pending tariff bill differs from preceding ones which have been passed with extremely little aid from Democrats. Part of the answer is that the psychology is different."

Mr. Sullivan takes the ground that a tariff bill may not be passed at the present session. That is possible, and the MANUFACTURERS RECORD has repeatedly suggested that if it be not passed at the special session, it should be carried over and fought out in the regular session. That is what we had in mind in regard to the tariff bill being passed by the present Congress. We meant not merely the special session but a continuation into the regular session.

Mr. Sullivan takes the ground that because we have had the most prosperous month the United States has ever known; the largest volume of business; the largest ratio of profits; the highest prices for securities ever recorded on the New York Stock Exchange, and probably the least unemployment, that there is not the same enthusiasm on the part of the big interests of the country for a protective tariff as in former periods.

Notwithstanding the views expressed by Mr. Sullivan, and those put before the public by the Department of Commerce and other authorities, we are not having universal prosperity; we are not having the least unemployment, but, on the contrary, we are passing through a revolutionary period of changes and mergers and combinations which are upsetting the calculations of hundreds of thousands of business men and throwing out of employment some millions of people. It is worse than folly to attempt to convince the country that because of the wild speculations in the New York stock market and the enormous profits that are being made by some of the big interests of the country that there is general and widespread prosperity. General and widespread prosperity does not exist, notwithstanding the heavy carloadings, the enormous production of steel, the prosperity of the automobile industry and other things that in times past have been counted as barometers of trade.

The question before Congress and the country is: Will Southern congressmen stand by their own section and join with the Republicans in passing a well-rounded protective tariff bill? They can slaughter their own section or they can enormously build up its prosperity, according to whether they are simply politicians or whether they are statesmen. If they are merely politicians, having no higher ambition than their own advancement or their own party fealty, they will encourage the congress-

men of other sections to join with them in minimizing the prosperity of the South; but if they are built of statesmanlike timber they will use this opportunity to give to the South, by a combination with protectionists from other sections, every advantage that can possibly be provided for the upbuilding of the agricultural, mineral and industrial interests of this section. Where will the congressmen of the South stand? Will they prove themselves unworthy of the confidence of the people of the South by failing in this crucial hour, or will they prove themselves statesmen worthy of continued confidence on the part of their constituents?

### DISCOVERY OF A VITAL HEALTH FACTOR IN SOUTHERN FOODS WORTH MILLIONS TO HUMANITY

THE recent discovery that vegetable products of South Carolina have large quantities of iodine and thus are more valuable to humanity than those of practically no iodine content, grown in some sections of the United States, with the result that there is a higher percentage of goiter and other physical deficiencies, is attracting national attention.

The monthly magazine of the Southern Public Utilities Company of Charlotte, N. C., for August, in discussing "North Carolina Opportunity" says that Dr. William Weston, chairman of the Southern Research Commission of South Carolina, and others, have been exceedingly active in emphasizing the importance of the iodine discovery and pointing out its possibilities in an economic way.

Dr. Weston, in comparing the iodine content in vegetables in several states of the Union, shows that carrots in Oregon contain 2.3 parts to a billion, in California 8.5 parts, and in South Carolina 197 parts. California asparagus contains 12 parts iodine; South Carolina 285 parts; spinach contains 26 parts per billion when grown in California, while South Carolina has 694 parts and that grown in the Piedmont section of the state shows 750 to 770 parts. Quoting from the article in the Southern Public Utilities Magazine, and emphasizing the importance of iodine in the diet, Dr. Weston declared that in some areas the population would dwindle to one-tenth of the present number, in four generations, and that most of the survivors would be deformed or crippled if they attempted to subsist on locally grown products. He declared that 70 per cent of the population of Minneapolis have goiter in some degree, a situation which he emphasizes could be remedied by the consumption of vegetables grown in South Carolina.

Further, Senator Royal S. Copeland, M. D., of New York, was quoted as declaring that the discovery of the peculiarly high iodine content in South Carolina vegetables and fruits was the most important discovery from a health standpoint during the past hundred years. Dr. Copeland told Dr. Weston that there are 30,000,000 people in the United States who are suffering from an insufficiency of iodine, and he declared that this new discovery should be worth millions to South Carolina.

Not only does South Carolina share this great blessing of nature, but other sections of the South are beginning to study the chemical values of their food products as well as the great value of Southern sunlight which health research is bringing to the attention of the nation. The situation offers a great opportunity for the establishment of canning industries in those areas producing high iodine content vegetables which, with proper advertising of the value of such goods, should become one of the South's most successful developments. It is reported that an increasing demand is already being created for iodized vegetables. Several towns in South Carolina report activity in promoting the establishment of canning plants and are thus proving alert to their opportunity.

### MR. WAKEMAN TEARS THE SENATE TARIFF BILL TO PIECES

PROBABLY no man in America is more familiar with the whole tariff situation than Wilbur F. Wakeman, for years secretary of the American Protective Tariff League, and former U. S. Appraiser of Merchandise in the district of New York. In this issue, Mr. Wakeman points out some of the blunders of the Senate bill, but he could have made his criticisms even more severe. For instance, paltry excuses are given in several cases for changes made in the tariff bill in order to enable this country to be prepared in the event of war; but it puts on the free list manganese, which is an absolute essential in the manufacture of steel, and the War Department has fully recognized in times past the necessity of developing the manganese resources of this country. Some of the statements or excuses made in regard to actions on the tariff bill, that this country might not be endangered by war, are so puerile that we wonder how such a body as the Senate Committee could possibly have consented to put their names to such inconsequential claims, while putting on the free list other things which would be absolutely essential in time of war, and for which it would then have been too late in the day to depend upon for quick development in America of interests which had been sacrificed to the unwise demand of the great steel and other interests demanding free trade or a lower tariff.

The same thing applies to the clay interests. Here is a source of raw material for the manufacturers of the East and West practically limitless in its extent, which needs a higher duty in order to compete with the products of Europe shipped to this country, largely as ballast. But, lo and behold, the mountain of the Senate Committee labored and brought forth not even a mouse! As Mr. Wakeman wisely suggests, the bill as it now stands should be fought unceasingly until its adjustment in a fair way, with a fair degree of protection to all the so-called raw materials of the South equalling in tariff protection the duty on the finished product of the North and West.

Honorable and honest protectionists in the Senate, regardless of their political affiliations and whether they are from the North, or the West, or the South, should stand together in this fight.

The time has come for the real believers in a protective tariff to organize themselves into a direct working body. Long accustomed to believe that the country was at heart in favor of protection, the real protectionists of the country have laid down on the job and failed to carry on a campaign of constant education to show what a protective tariff means for the laboring man and for the general prosperity of the country—agricultural, industrial and financial.

In the meantime the great international bankers, the army of importers in New York and elsewhere, the great department stores depending largely upon foreign goods, have omitted no possible influence that they could put into effect to misrepresent a protective tariff and to seek to break down the demand for protection. The influences which are put forth from New York and elsewhere by great banking houses and others must be counteracted by an awakened sentiment of the entire country against the influences of such interests.

### MISSISSIPPI ASSETS AND LIABILITIES

MISSISSIPPI has many great material assets, likewise assets in many of its business men; but it likewise has many liabilities in its politicians.



# Give the Manganese Producers a Chance

Five Reasons for Protecting a Domestic Industry  
Now in Its Infancy But Capable of Lusty Growth

[In connection with the following forceful statement by Dr. Grasty on the manganese situation, it is worth emphasizing that only a few days ago a Virginia cement plant announced that it was forced to shut down because it could not compete with foreign cement produced under the low wage scale of Europe. Other cement interests in other Southern states likewise have been affected and the halting of a manganese development in Virginia, as reported in a news item elsewhere in this issue, further indicates the damage to Southern industry and the cutting off of employment of Southern labor which cannot be ignored by Southern Senators and Representatives. These are not theoretical cases nor suppositions; they are cold hard facts which confront the South and the nation. Are the people of the South to stand dumb in the face of such happenings and not fight for the protection of Southern business, Southern labor and Southern investments?—Editor MANUFACTURERS RECORD.]

By J. S. GRASTY, Ph. D., Geological Engineer, Charlottesville, Va.

Much erroneous propaganda is being put out in regard to the manganese industry, with vigorous efforts being made to belittle and discourage the mining of manganese ore in America. It seems opportune, therefore, to submit a brief statement, not only from the viewpoint of what has been done, but more particularly *what can be done*.

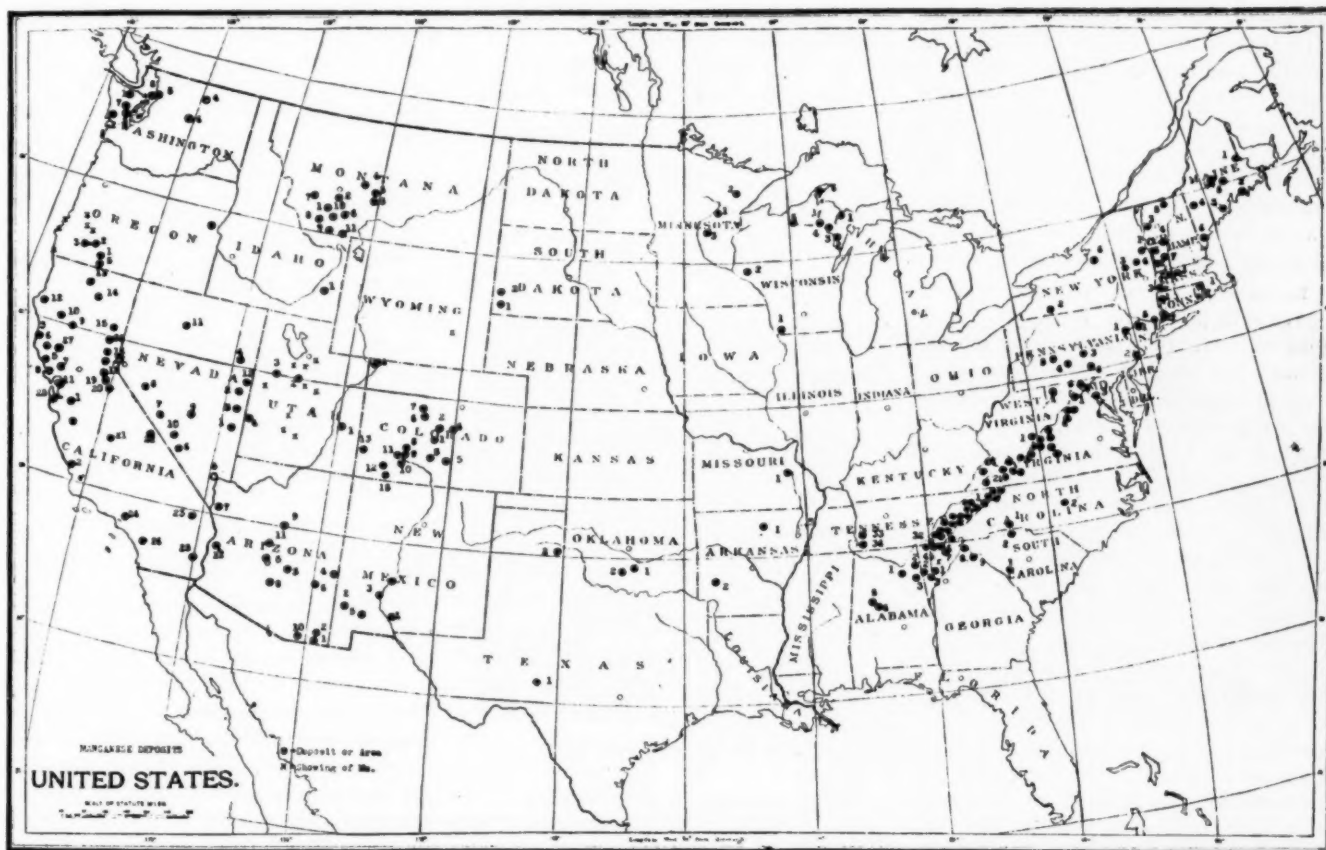
In an editorial in the Baltimore Sun the statement was made:

"There seems to be no good reason why a great toll should be levied on all industries that use manganese in order to encourage home production which gives no promise of ever being capable of supplying home demand."

The "great toll" actually represented by a duty of one cent per pound on manganese ore, as proposed in the House bill, amounts to under 16 cents per gross ton of steel, the leading outlet. Since almost all steel sells for more than \$40 a ton, the manganese duty is a relatively trifling addition to the price of steel, and by the time the steel is fabricated and sold to the ultimate consumer it becomes absolutely negligible. Theoretically it adds scarcely a dime to the cost of the average automobile. This small sum compares with import duties on steel products ranging from a minimum of \$4.48 on plain structural shapes to \$22.40 on tinplate and upwards of \$75

a gross ton on sundry special kinds of steel.

If the tariff on manganese is to be reduced then at the same time severe cuts should be made in the tariff on steel. The fairness of this is indisputable when it is realized that the steel industry has enjoyed the benefit of hundreds of millions of protection under the tariff. Competent authority has estimated that this has amounted since 1922 to the vast sum of approximately \$4,000,000,000. Those standing for a tariff on steel and opposing a tariff on manganese are thus seen to be something more than a bit inconsistent. Obviously what is "sauce for the goose should be sauce for



Copy of map prepared by the U. S. Bureau of Mines for Senator Tasker L. Oddie, Chairman of the Committee on Mines and Mining; it clearly indicates the extent of manganese deposits which are to be found in 34 states

the gander" although the "sauce" for the manganese industry is, relatively speaking, insignificant.

Manganese mining in the United States is an infant industry and it is eminently unfair to expect that it should be created overnight. However, important developments are in progress. For instance, in Virginia alone several important deposits are in process of development and during the past year the total positive ore blocked out amounted to over 1,000,000 tons, while the probable and possible ore runs into many millions of tons. This has been accomplished despite the discouraging propaganda of the steel industry and the academic "mineral economists," who estimate tonnages on their desks rather than in the field.

The largest source of domestic supply must come, however, from low grade deposits that can be worked economically only by large scale methods similar in some respects to those that have proved so highly successful as applied to our low grade porphyry copper ores, which less than three decades ago were considered worthless. For manganese, likewise, processes of beneficiation have had to be devised and then tested, first in the laboratory and then on a commercial scale.

The manganese industry has now entered on this important phase of its development, but nevertheless it has had little time to demonstrate what it can do. Yet the results achieved have been practical, economical and of far reaching importance. A similar evolution in methods of treatment suitable to the copper industry has given this country world pre-eminence in that industry. Therefore, it would be both wise and fair to give the manganese industry a chance.

In view of all the circumstances, the increase in production from 2635 tons in 1914 to more than 45,000 tons in 1928 is not a bad showing. New construction, now practically completed, provides for an output of more than 250,000 tons in 1930 and other projects, fully tested and adequately financed, should shortly bring the total to more than half of our national requirements.

When these operations prove successful, as they are bound to do if the present tariff be increased even slightly, the necessary capital will be forthcoming for further substantial additions to the supply from domestic sources. Many of these developments are expected to so perfect their processes and integrate their operations that the tariff may later be reduced. Perhaps by that time certain companies in the steel industry may concur also in a reduction of their own pet tariff schedules.

The copper industry and practically every other domestic mining industry

has succeeded in winning metal from extensive low grade deposits at steadily declining cost and manganese production, virtually a newcomer in the American field, is in a splendid position to do likewise. We have enormous deposits of ore moderately high in manganese and they can be treated at a profit if the industry receives the protection to which it is entitled by virtue of its importance to our national security and the record it has made despite opposition.

#### Five Reasons for Protecting Manganese Industry

Senator Tasker L. Oddie of Nevada, chairman of the Mines and Mining Committee of the Senate, who, by reason of his position and knowledge of mines and mining, speaks with authority on subjects affecting the mineral industry, promises to put up a strong fight for a tariff on manganese when the tariff bill reaches the floor of the Senate. He has in fact no alternative in view of the rough-shod manner in which the Senate Finance Committee turned a very cold shoulder to his logical brief in behalf of the manganese producers. Obviously if the highhanded methods of that committee are going to rule it will be minority government with a real vengeance.

In addition to pointing out the large tonnage of manganese ores in America, Senator Oddie is on record as giving the following five reasons for offering manganese adequate protection:

1. The development of new metallurgical methods for the benefiting of low grade manganese ores.
2. The change in metallurgical practice whereby low grade manganese ores are used more extensively in the furnaces.
3. The desirability to industry generally of developing a domestic manganese industry to safeguard against exorbitant foreign prices.
4. The favorable prospects of the more extensive beneficial use of manganese as a fertilizer by the farmers of the United States.
5. The importance to the national defense of having this country permanently made independent of foreign sources of manganese supply.

It is no exaggeration to say that if the removal of the duty should result in crushing the domestic manganese industry, this one act alone may, in the event of war, result in a national disaster. Our War Department recognizes that very fully.

It is evident that the effort made to remove the tariff on manganese is deplorably short sighted. It is going to result in a full airing of the steel company's own schedules. It appears, therefore, that in an effort to crush an important infant industry they have made a very serious technical and tactical blunder. The threat of exercise of the great

power of the steel industry won no votes in 1922 when similar pressure was brought to bear, and it should not be employed now.

#### Senate Committee's Action in Placing Manganese on Free List Halts a Virginia Development

Crimora, Va., September 3.—[Special.]—The Old Dominion Manganese Corporation—which has developed a large tonnage of manganese ore, approximately 500,000 tons, estimated to be worth over \$12,000,000—is curtailing its forces as a result of the action taken by the Finance Committee of the U. S. Senate, removing the tariff on manganese. Because of the uncertainty of the situation it will defer construction of its concentrating plant, and employ only a few men from now on or until the question of whether manganese shall be protected or put on the free list is finally determined.

The Old Dominion Manganese Corporation has been engaged in exploration of its deposits for the past year. This has been done under experienced geological direction and, as a result of the highly satisfactory results achieved, suitable mining equipment has been installed to work the deposit on a large scale. In explanation of the practical closing down of this operation, which would have made Virginia an important factor in the production of manganese as it used to be years ago, H. C. Smith, president of the corporation said:

"The action taken by the Finance Committee of the Senate in recommending the removal of the tariff on manganese, and also the boycotting attitude of certain large steel interests towards American manganese ore, makes it necessary for us to proceed slowly until the tariff question is finally settled. Since the President is on record as favoring a protective tariff on manganese we were astounded at the action taken by the Senate Finance Committee, which seems to have been influenced by contracts made by large steel interests for ore to be shipped from Soviet Russia."

#### 2000 Acres for Industrial Section

Houston, Tex.—The Federal Trust Co., capitalized at \$500,000, announces that it will purchase more than 2000 acres of land known as the Bear tract for an industrial center about 4½ miles from the business heart of the city. Details of organization of the project are being worked out by John Embry and Colonel Ike Ashburn, who with E. L. Crain, one of the owners of the property, are making a study of industrial conditions on the Pacific coast, particularly in Los Angeles.



## Actual Tonnage of Domestic Manganese Ore Resources Enormous, Official Data of Tariff Commission Reveals

Washington, September 6—[Special.]—For two years, interests allied with Soviet Russia have been preaching the doctrine of internationalization of minerals, and particularly the removal of the tariff on manganese, but those engaged in the production of this essential commodity have felt that any effort to put it on the free list would prove futile. Another case of overconfidence. Hence, when the Finance Committee of the United States Senate voted six to five to put manganese on the free list, the shock was as unexpected as it was severe. Manganese producers, however, cannot put all the blame on the effective Senator Reed of Pennsylvania, as he was looking after his steel interests, which was to be expected. It is a pity that at least one manganese deposit of importance is not found in Pennsylvania.

Now it is to be hoped that when the tariff bill gets to the floor of the Senate those senators from states in which manganese deposits are found will have their innings. They may spring a surprise by bringing out the data of the U. S. Tariff Commission. In all the discussions not one word has been said about the Tariff Commission's report, yet it is considered, by some, to be the most important document of all, inasmuch as it embraces the official data of the Tariff Commission on the subject of manganese in America.

The manganese people failed to sense the significance of an adverse propaganda, which, though without foundation of fact, was convincing many that manganese is a "relatively scarce commodity" and that "no one can lose through the free entry of manganese ore," hence they made practically no presentation of their side of the case. As a matter of fact, those conversant with the occurrences of this mineral, which is absolutely required in the manufacture of steel, know that the actual tonnage of American manganese ore runs into many millions. Indeed, a large section of the Steel Corporation, namely, the plants built by Andrew Carnegie, owed much of their success to the manganese ore mined in Virginia, which entered into the various steel products of his company, and that represents but a small proportion of the total of ore that remains yet to be won and shipped in the foothills of the Blue Ridge mountains of Virginia, not to mention numerous other deposits of importance.

Dr. George Otis Smith, director of the U. S. Geological Survey, has been so

quoted as to lead the uninformed to believe that hardly a hand specimen of manganese ore can be found in America, certainly not more than two years' supply, which is his alleged outside limit. But, as is now known, his organization, in general, refrains from appraising accurately the tonnage of any single deposit. That, in effect, was admitted at the last meeting of the American Manganese Producers Association in Washington, when one of the members of the U. S. Geological Survey was questioned on that very subject.

The confidence of the U. S. Tariff Commission in the "findings" of the U. S. Geological Survey may be estimated by the fact that it conducted an investigation of the manganese occurrences in the United States, completed some 18 months or more ago, through efficient men of its own selection. The engineer, Paul M. Tyler, now of the Economic Division of the U. S. Bureau of Mines, who was chiefly responsible for the report which was made to the Tariff Commission, must have undertaken this investigation with no feeling of optimism if he attached any importance to the previous reports. But after an exhaustive field study he was amazed to find that the tonnage of manganese ore in this country is enormous. That report is now in the files of the Tariff Commission and great injury can and will be done unless the facts are made known.

### \$2,500,000 Water Supply

Brownwood, Tex.—Land will soon be purchased by the Brownwood Water Board, F. S. Abney, president, as a site for a lake to be created in connection with a new water supply, for which the Brownwood Water District voted \$2,500,000 last year. A dam will be built across the Bayou, about 9 miles from Brownwood, to impound 125,000 acre feet of water which will cover approximately 6000 acres of land. The water will be used for a city supply and to irrigate about 15,000 acres of the Pecan Bayou bottom land. D. W. Ross is the engineer.

### Acetate Silk Company Capital \$10,000,000

Hopewell, Va.—The National Acetate Silk Company, promoted by the Tubize Artificial Silk Company of America and the American Chatillon Corporation, both of New York, will be incorporated in Delaware, it is announced, with a capital stock of \$10,000,000 and 300,000 shares of no-par value. According to Rufus W. Scott, chairman of the board of the American Chatillon Corporation and a director of the Tubize Artificial Silk Company of America, the latter company will take the entire issue of preferred stock of the new company, while the common stock will be divided between the two companies. Plans of the National Acetate Silk Company contemplate the construction of an acetate silk manufacturing plant in the South and Hopewell, among other locations, has been considered as a site.



Modern Outdoor Swimming Pool for Mississippi Hotel

The Hotel Markham, Gulfport, Miss., has added to its facilities a swimming and bathing pool, 35 by 90 feet, with a minimum depth of 2 feet 9 inches and a maximum depth of 8½ feet. It is lined with white enameled tile with a border around the perimeter of the top consisting of slip-proof carborundum tile inserts. There are 22 Aqualux lighting units in the side walls of the pool. There are also 7 Aqualux lighting units in the cascade fountain at one end of the pool. Overhead sprays furnish water to the pool. Water is supplied from an artesian well.

# Senate Finance Committee Revision of Hawley Tariff

**Its Report Called a Composite Document—Smoot-Hawley Bill Criticised and Its Free Trade Spots Condemned—Administration Provisions More Cumbersome Than Existing Law—Congress Should Stay in Session Continuously Until Adequate Protective Tariff Is Passed.**

By WILBUR F. WAKEMAN, Former U. S. Appraiser of Merchandise, District of New York.

Number 26.

THE report of the Finance Committee of the Senate in presenting the revised Hawley tariff bill is a composite document which defends inconsequentials and passes over with a gesture important matters which seriously affect growing industries. The report refers to the Senate reductions in the Hawley bill as benefactions, and apologizes for increases; it records the transfer of articles, like manganese and shingles to the free list, based upon study by the committee, with very limited explanation; in the administrative provisos the report deals principally with future conditions instead of with the collection of the duties prescribed by law as is; and the report directly contradicts itself as to substitution of materials entering into the composition of the same article. The report does not sound at all like Reed Smoot, its chairman, who in defense of the emergency tariff of 1922, with reference to the products of manufacture, said: "I advocate protection that just equals the difference between conditions incident to manufacturing goods abroad and at home."

The report and the revised bill represent directions to and regulations of "higher ups" in customs service like the customs courts and the U. S. Tariff Commission—the omegas of administration—instead of being directed to initial customs service and the proper landing of foreign merchandise in this country. The report and bill seem to lack knowledge of "field service" in customs, of the movement of invoices and goods through our customs houses, of the methods of dishonest importers seeking to evade the laws, of necessary reforms necessary to efficiency, and of the necessity of making the Treasury officials more than landing officers, which they are today. The report and bill seem to be the product of a lot of lawyers whose efforts will make our customs laws more cumbersome, more intricate and more difficult of administration than now, in addition to weaknesses in schedules, from a protective tariff standpoint.

## Chemicals, Oils and Wool, Schedules 11 and 1

Detailed consideration is first given to the Wool Schedule (No. 11) and Chem-

icals, Oils, etc. (Schedule 1) for reasons that I will develop. The wool grower and woolen manufacturer seem to be fully protected. In explanation of increase in the duties on woolen rags, etc., the committee says:

"The committee believes that a duty is levied on wool for the purpose of protecting the American wool grower and that if a substitute for wool is allowed to come in at a lower rate than the duty on wool the intent of Congress is defeated."

The chemical schedule, per se, runs along the line of the Hawley bill, and on coal tar products retains the American selling price as the basis of duty for imported foreign merchandise. This provision of the Act of 1922 has been the most difficult to administer of any, and has amounted to practical embargo on many articles. This is an unfair and direct discrimination in favor of coal tar over other products bearing an ad valorem rate of duty. Every imported article should have the same basis of valuation for dutiable purposes, or discrimination between American industries will necessarily follow. The report and bill say nothing of any change.

Will the reader again read the above declaration of the Finance Committee on substitution for wool and then remember that vegetable oils have been grossly neglected. The report tells of the demands of agriculture for, and of the soap makers against, duties on oils—edible and inedible—and apologetically continues:

"Furthermore, drastic increases might reflect unfavorably on our large exportable surplus of edible fats, chiefly lard, which totals annually about 800,000,000 pounds, because of the transfer of foreign oils to markets now using domestic exported oil."

The committee must know that American lard (exportable surplus) is very largely produced from coconut oil, an imported article. Thus the Smoot-Hawley bill will allow substitution in an edible product, but not in woolen rags—used in manufacture of woolens. Here is an absolute inconsistency and contradiction.

## Earthenware and Glass, Schedule No. 2

The report shows that pottery and glass industries received nearly everything asked for, and really more than was needed if the existing law were efficiently enforced. In addition, silica, a raw material to these industries, was thrown to the free list, and now we may expect that all sand will be called silica, imported free of duty, with disastrous effect on the great sand and gravel industry. Abrasives were badly treated in the act of 1922, and now comes the recommendation of adding grindstones to the free list. These last two items do not look like protection to American industry.

## Metals and Their Manufacture, Schedule No. 3

In the metal schedule the report and bill seem generally systematic until the transfers to and from the free list are reached. The committee's changes of the House bill effect, in this schedule, about 40 upward revisions of individual rates and over 60 downward revisions, including items transferred from the free list. Items transferred to the free list are: Manganese ore, muzzle-loading fire-arms, hoes, rakes, metal parts of typewriters, zinc dross, zinc skinmings, and nickel oxide. Articles made dutiable were: Cream separators valued at more than \$40 but not more than \$50 each and milk cans.

The great development of manganese ores under the existing law is well known, and the certain destruction of the industry by competition with the products of Soviet Russia is predicted. If insisted upon this item may wreck the entire tariff program.

Cream separators valued between \$40 and \$50, dutiable? The American market is now controlled by the foreign product. To make one dutiable bracket with a ten dollar leeway seems ridiculous. Instead, it would have been in harmony with the protection policy to have placed a reasonable rate of duty on all agricultural implements, which would have embraced cream separators and incidentally would keep out Henry Ford's



Irish tractors, confining their distribution to foreign countries.

#### Wood and Its Manufactures, Schedule No. 4

By the report and bill, this schedule seems to be a medley of rates, from low rates of duty to no duties. The committee seemed to want to adopt protection but feared offending our Canadian neighbors. Shingles, very important to lumber states, were sacrificed to Canada, and the committee apologizes in the following words:

"Imported shingles are in general of higher grades than the bulk of domestic production. On comparable grades, Canadian and domestic costs of production are practically the same."

#### Sundries, Schedule No. 15

Sundries amounts to a sort of basket schedule where all articles not elsewhere classified are covered. Some of the important items now embraced in this schedule are hides, leather, boots and shoes, manufactures of leather, laces and embroideries, toys, jewelry, manufactures of rubber, furs and fur goods, cork products, fur felt and straw hats, sporting and athletic goods, and musical instruments.

The most controversial items of this schedule were hides, leather, and products of leather, including boots and shoes. The bill starts with a duty of 10 per cent on hides, and reaches a maximum of 30 per cent on the products of leather, boots, shoes, etc. New England found that, to survive, she must have duty on boots and shoes, and reluctantly conceded the pittance of 10 per cent duty on hides. This duty is not adequate for protection against Australian and South American hides and should be increased, with compensatory rates on the finished product, on the floor of the Senate, if it is desirable to encourage farmers to restore the beef industry to the needs of the country.

It is perhaps unnecessary to review other schedules which show few radical changes from the Hawley bill (except sugar upon which the compromise rate of duty prevails) and they are as follows: Sugar, Molasses and Manufactures, Schedule 5; Tobacco and Its Manufactures, Schedule 6; Agricultural Products and Provisions, Schedule 7; Spirits, etc., Schedule 8; Cotton and Its Manufactures, Schedule 9; Flax, Hemp, Jute, etc., Schedule 10; Silk Manufactures, Schedule 12; Rayon, etc., Schedule 13; Papers and Books, Schedule 14.

#### Free List, Schedule No. 16

The report and bill extends the free list in some important items already referred to and transfers some articles to the dutiable list, but the committee evidently forgot the cotton growers of 15 states, the copper miners of 12 states,

the manufacturers of agricultural implements, the producers of potash, and others who are worthy of protection.

#### Special and Administrative Provisions

The report discusses the changes in the Hawley bill and in a few instances, where the subject was thought to be of such importance that it deserved special consideration, a discussion has been given of provisions in the House bill which are unaffected by the amendments reported.

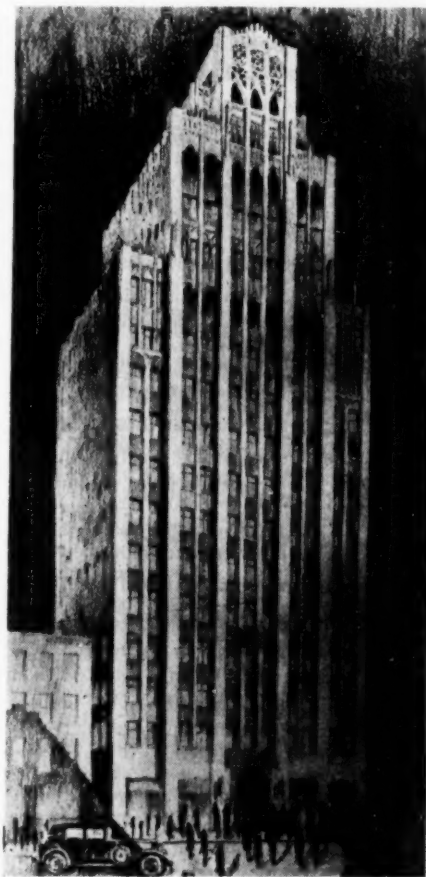
As a whole, the administrative provisions increase the difficulties of administration of the tariff, and it is doubted that the members of the committee could effectively administer what they recommend. The reason appears to be that both the framers of the Hawley bill and the Senate revisers recommend legislation from the top downward instead of upward from a correct basis of dutiable value. Wisely, the report says that "foreign and domestic competition in the markets of the United States must be equalized," and then the bill leaves foreign valuation, etc., in force and proceeds to authorize the U. S. Tariff Commission "to convert the rates imposed by the present bill to rates based upon 'domestic value' as defined by the section. The commission is directed to report back to Congress on or before January 1, 1932, the result of its work, and Congress will then be in a position to make the desirable shift to the domestic-value basis." This is an admission that the Senate Finance Committee does not know how to adopt a domestic or landing value of imports today. Possibly it would have been more appropriate to admit that the committee lacked the nerve or backbone to adopt a simple valuation plan because it would interfere with bureaucratic officeholders, legislative courts, tariff commissioners, customs practitioners, and might offend foreign exporters to this country.

The Smoot-Hawley bill as presented has many excellent features: several exemptions from duties, which are disastrous to American production; in phraseology, acknowledges general evasion of our laws; tries to stop leaks by additional cumbersome methods; and puts off the day when we may have a tariff law of adequate protection built on simplicity, with resultant efficient administration. The existing law, the proposed law, the rules and regulations, and the multiplicity of decisions—all lead to question marks in the minds of the American people, as to the wisdom of a protective tariff. It is sometimes said that the question marks may be replaced by action that will overthrow the policy of protection. This will not occur if protection is further recognized and simplicity as a goal be adopted in present

consideration of the Smoot-Hawley bill by the Senate. To that end Congress should be in continuous session, if necessary, until March 4, 1931.

#### \$1,000,000 Medical Arts Building

Excavation for construction of a \$1,000,000 Medical Arts Building at Hot Springs National Park, Ark., is nearing completion and construction is expected to be finished by spring of 1930. The building is being financed by the Medical Arts Realty Co., in which James A. Rector of St. Louis, and B. M. Jackson of Little Rock, are interested. The structure will be of reinforced concrete, the facade and all upper exposed portions to be faced with Carthage stone or



Medical Arts Building, Hot Springs, Ark.

marble. It will contain a floor space of approximately 35,000 square feet, devoted entirely to the medical fraternity, and it is said 90 per cent of the space has been leased. Almand & Stuck are architects and Gordon Walker is general contractor, both of Little Rock.

Greensboro, N. C.—R. A. Jennings, D. Newton Farnell, Jr., and Mrs. Lois Wyrick, all of this city, have incorporated the Juanita Full Fashioned Hosiery Mills for the manufacture of hosiery and knit goods.

## Florida's Banks Are Re-opening

Courts Declare Validity of New Law—Sunshine State's Financial Position Strengthened on Eve of Tourist Season

Tallahassee, Fla., September 7—[Special.]—The state of Florida, a few weeks ago bemoaning the fact that a number of its banks had closed, is now, on the eve of its greatest tourist season, proclaiming its enthusiasm for the future, for the reason that the "closing epidemic" has been reversed and financial institutions are again preparing for business.

Following the court's endorsement of the 1929 amendment to the state banking laws, three banks immediately resumed operations amid the felicitations of the townfolks who made record deposits the first day. The bank of Pasco County, Dade City, the second oldest institution in the state opened its doors after having been closed since July 17. The Citizens' Bank, Frostproof, boasts of deposits the first new day of \$125,000. The Bank of Port Tampa, located on the site of one of the South's largest shipping points, began anew with first day deposits of \$28,000. Other banks are awaiting court decisions for which a favorable precedent has already been established. Additional institutions are expected to follow, for depositors are standing by, authorizing their accounts to be "frozen" and complying with the new state law which calls for liquidators in place of receivers.

Banks are being organized to take the place of those which will not reopen. The state is rapidly finding itself with a new list of financial institutions, solidly founded and operating under the strongest banking laws the state has ever known.

Governor Doyle E. Carlton, sponsor of these 1929 measures and looked to by citizens as the most important personage in the state's return to prosperity, issued the following statement for the MANUFACTURERS RECORD:

"The people of the United States need have no fear for the Florida situation, for it is so far solved that little future trouble should be experienced. The hurricanes, the fruit pests, the bank failures, the laxness of tax collection and the several other so-called blows to the state, have proven themselves blessings in disguise. Their coming has brought about stronger laws, more intelligent farming methods, aid from the Federal government on drainage problems as well as agriculture, forming of business-like organizations within the state, stronger

and successful tax laws; and, above all, a growing feeling among the people of the state that Florida is rapidly headed toward a period of financial ease and constructive development."

### FOUR NATIONAL BANKS PLANNED IN FLORIDA

DuPont Interests Back New Institutions in Four Cities—Other New Banks Proposed

Jacksonville, Fla.—The Florida Bank at Lakeland, organized by the Almoors Securities, Inc., in which Alfred I. DuPont is heavily interested, has recently opened for business. The bank has a capital stock of \$100,000 and a surplus of \$50,000, both of which have been paid in. The Almoors Securities, Inc., has also applied for charters for national banks at Orlando, Deland and Bartow and if these charters are granted, each bank will be opened under the name of the Florida National Bank at the particular town in which it is located. These banks will have a close working arrangement with the Florida National Bank of Jacksonville in which bank the Almoors Securities, Inc., has a very substantial interest. The firm proposes to apply for charters for similar banks in other Florida towns from time to time.

In commenting upon the organization of the new banks, Edward Ball, vice-president of the Almoors Securities, Inc., said: "Anticipating that the Governor and the Legislature will shortly enact helpful taxation measures, we are applying for these charters, as we anticipate Florida will have a new era of prosperity as soon as our present iniquitous tax measures are repealed and sane and progressive ones enacted."

### Additional Power Units for Rammel Dam

Hot Springs, Ark.—Plans are being made by the Arkansas Power & Light Co., Pine Bluff, to install two additional power units at Rammel Dam, about 15 miles southwest of this city. These units will supplement three other units already installed. Detailed plans have not been announced, but it is understood that construction will involve pouring 10,000 cubic yards of concrete and enlarging the powerhouse. A cofferdam is expected to be completed by January and the entire project finished within a year.

Construction will be handled by the Phoenix Utility Co., New York, L. G. Warren, superintendent.

### \$700,000 Texas Building Completed

The \$700,000 Petroleum Building recently completed at Midland, Tex., as headquarters of the oil industry of West Texas and New Mexico, was erected by T. S. Hogan & Son of Midland; it is 12 stories and basement, of reinforced concrete faced with cast stone on two street sides from the sidewalk to the parapet and is said to be the largest building between Fort Worth and El Paso. Many prominent oil companies operating in that section have already engaged space, it is announced. Wyatt C. Hedrick, Inc., Fort Worth, was the architect, and



New Petroleum Building, Midland, Tex.

Hickey & Harrington, Dallas, were general contractors.

Sub-contracts were awarded as follows:

**Elevator doors**—Paltridge Metal Equipment Co., Chicago.  
**Excavating**—Dallas Transportation Co.  
**Glass and glazing**—Pittsburgh Plate Glass Co., Pittsburgh.  
**Granite**—John Clark Granite Co.  
**Marble**—Vermont Marble Co. of Texas, Dallas.  
**Metal windows**—Ruth Window Co., St. Louis, Mo.  
**Millwork**—Austin Sash & Door Co., Austin, Tex.  
**Miscellaneous and ornamental iron and steel**—Southern Ornamental Iron Works, Dallas.  
**Painting and decorating**—Paul M. Heerwagen, Fayetteville, Ark.  
**Plastering**—A. E. Maidt Plastering Co., Oklahoma City.  
**Plumbing and heating**—Young & Pratt, Lubbock, Tex.  
**Reinforcing steel**—Alamo Iron Works, San Antonio.  
**Roofing and sheet metal**—Rogers Asbestos Co., Dallas.  
**Stone**—Northwestern Terra Cotta Co., Chicago.  
**Structural steel**—Austin Bros., Dallas.  
**Terrazzo**—Union Art Mosaic & Tile Co., Houston.  
**Tile**—Southland Tile & Mantel Co., Fort Worth.  
**Waterproofing and caulking**—A. C. Horn Co., Dallas.  
**Wiring**—Dallas Electric Co.



# Texas Takes Up Dairying

Milch Cow Comes to Beef State, and Cheese Factories Supplement Packing Houses—Dairy Industry a Business Opportunity and an Agricultural Safeguard

By WELLINGTON BRINK, Dallas.

**T**EXAS, traditionally the leading beef state, is now coming into its own as a commercial producer of milk and milk products. The same combination of agricultural enterprise and natural resources of lush grasses, succulent feed-stuffs and year-round pastures that built the Texas packing houses is now engaged in establishing creameries, cheese factories and milk plants. Texas, the champion producer of country butter, now aspires to first place as a maker of the creamery product. Texas has for several years occupied a position of pre-eminence in registrations and transfers of Jersey cattle and now bids for blue ribbons on its packets of golden butter, crates of sun-bright cheese, and gayly labeled containers of condensed and powdered milk.

Eighteen months ago Texas was without milk plants and cheese factories, and dubious as to the future of dairying. Today, with the experimental stage passed and with doubts dispelled, Texas has eight milk plants in operation or under construction, and nine cheese factories. Borden, Carnation, Kraft, Douthitt—finding the way sufficiently explored by independent concerns operating on local capital—have been quick to see and seize their Texas opportunities. Armour promptly got in behind the first cheese plant in the state, the one at Round Rock, and contracted for its entire output. This little establishment, a mere infant of a few months, toddled over to the National Dairy Show last fall and took a major medal, second place, in the face of fierce competition from Wisconsin, Minnesota, New York and other famous cheese-making states.

Dairy development in Texas is accepted as a business opportunity, as well as an agricultural safeguard. Bankers are taking the initiative in organizing finance corporations for the purchase of cattle and are, in many instances, under-

## Texas Milk Plants

Location	Daily Capacity Pounds
Decatur .....	35,000
Marshall .....	100,000
San Antonio .....	100,000
Seguin .....	30,000
Sherman .....	110,000
Schulenburg* .....	100,000
Tyler* .....	100,000
Waco* .....	150,000

## Texas Cheese Factories

Location	Daily Capacity Pounds
Buda .....	10,000
Denison .....	5,000
Denton .....	10,000
Goldthwaite .....	12,000
Hamilton .....	20,000
Round Rock .....	17,000
Temple .....	20,000
Valley Mills .....	10,000
Wichita Falls .....	50,000
Cameron .....	.....

\*Under construction, soon to be in operation.

writing the establishment of bull circles and cow-testing associations.

Texas Power and Light Company, one

The Plant of the Carnation Milk Products Co. at Schulenburg, Texas, When Completed, Will Be Similar to This Carnation Condensery at Mount Vernon, Mo.

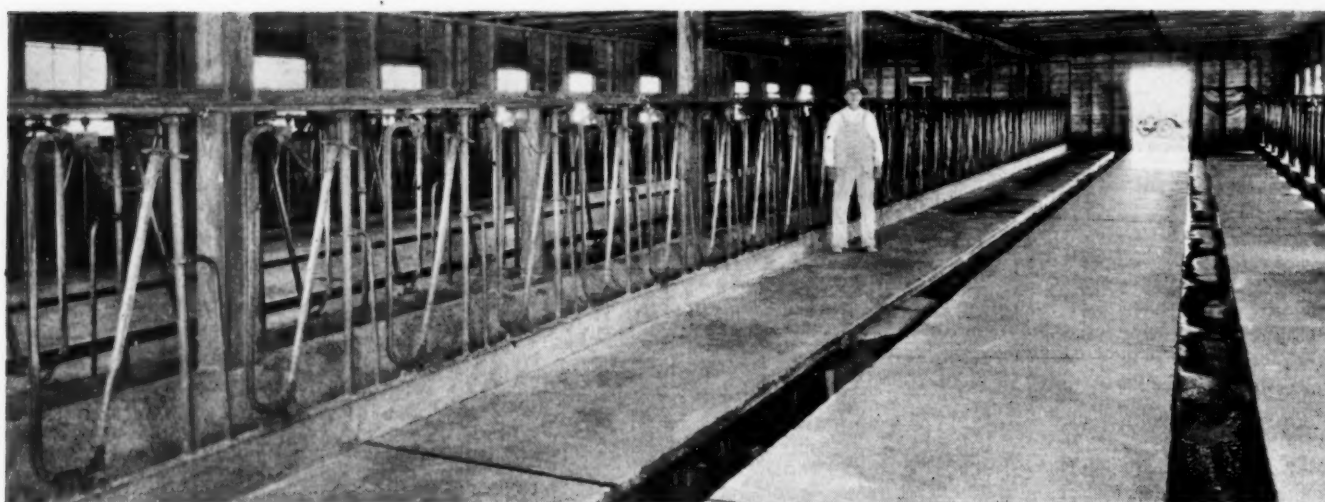
of the first of the power concerns to become active in rural electrification in Texas, has been an important factor in the dairy renaissance. Its president, John W. Carpenter, has furnished the inspiration for much of the progress that has been made.

Chambers of Commerce are undertaking dairy surveys in their counties and giving their support to the building of cheese factories, milk plants and creameries. The inclination is to regard dairy development in Texas as a concomitant of good roads and as a stabilizer of prosperity.

Texas papers are full of dairy rallies, dairy programs, dairy projects. When the Carnation Milk Products Company began work on its first plant at Schulenburg, 15,000 enthusiastic Texans saw Governor Dan Moody turn the first spadeful of dirt. From Wisconsin came by plane Carnation Badger Aero Lone Star—the bovine Lindbergh, the first flying bull in history—carrying the greetings of Wisconsin dairymen.

The great progress of recent months was not entirely unannounced. It now appears to have been considerably overdue. At first, overtaken by the outposts of civilization, Texas began to convert matchless native grasses into hides and beef. The buffalo began to break ranks in front of the rush of the longhorn. The longhorn, in turn, gave way before the heavy hoofs of the shorthorn and Angus and Hereford. Native grasses came to be supplemented by grain sorghums, legumes, cottonseed products, corn, a wide variety of feedstuffs. The beef breeds were joined by the mild-eyed Jersey and Holstein and Guernsey. The same elements that made Texas the foremost beef-making state also put the state



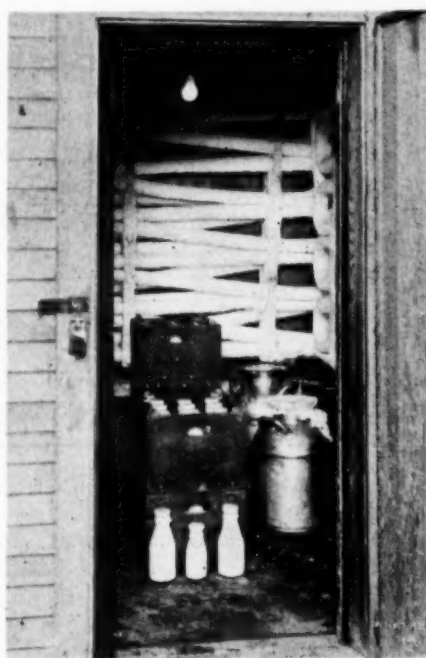


Typical of Modern Milking Barns on Dairy Farms in Texas

into the first rank as a breeder of milk-producing animals.

The capital of Jerseydom, so far as America is concerned, some time ago shifted to South Texas, where the noble triumvirate—the Lasater herd, the King Ranch herd and the Taft Ranch herd—dominate a region that has become world-famous for show performance and production. Last spring nearly a hundred business men, bankers, county agents, farmers, power company representatives and others from the northern and eastern parts of the state made a tour of this famed habitat of the Jersey cow under the auspices of the Texas Jersey Cattle Club. San Antonio, Taft, Corpus Christi, Falfurrias, Kingsville, the Valley cities were visited.

Here were seen communities built by the milk check. Here were found numerous cross-sections of countryside rescued from precarious positions by cream and butter money. Prosperity and contentment basked as complacently as the milk

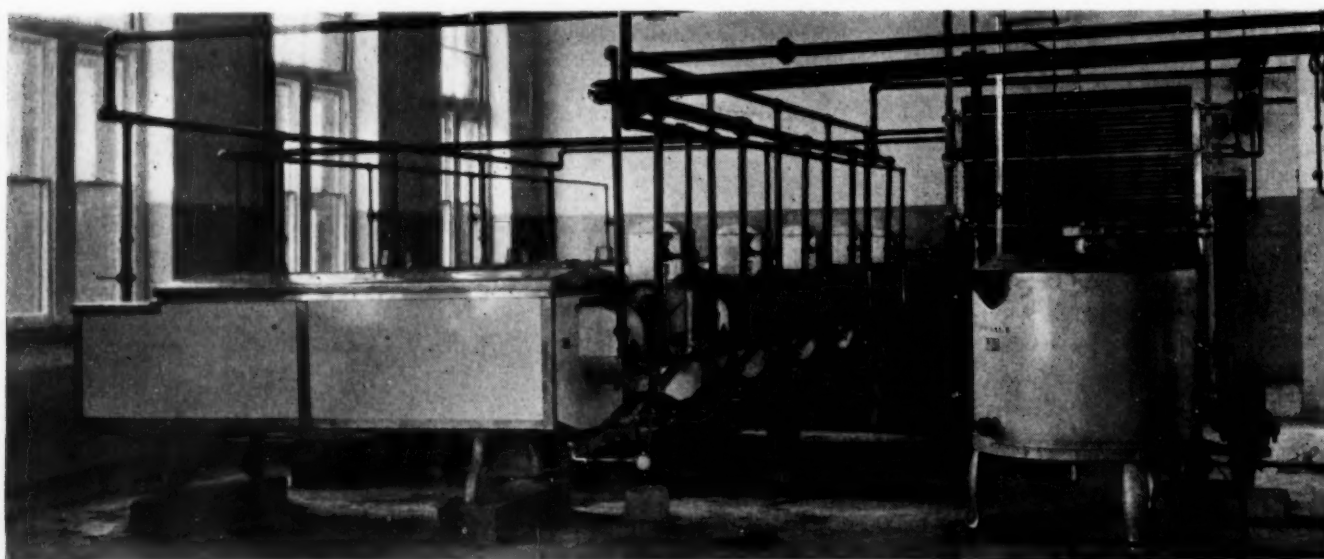


Electric Refrigeration on Dairy Farm

cow herself, chewing her cud in the shadow of a knotty-armed mesquite.

The milk and cheese factories at Waco, Sherman, Denison, Marshall, Buda, Round Rock, Wichita Falls, Tyler, Schulenburg, Cameron, Decatur and other points have entailed the rapid building up of local herds in an effort to boost milk production. In the rush for volume the necessity of quality has not been overlooked even momentarily. Texas has learned its lesson that profitable production is a function of bovine aristocracy and not the task of low grades. So it was natural that the demand should have been for the blood lines that had proved themselves in the celebrated herds of South Texas.

It was in this emergency that the firm foundation laid through all these years served well. For generation upon generation of breeding, the influence of the great South Texas animals penetrated into virtually every part of the state and made itself felt in nearly every farming



Interior of Meadowlake Milk Products Plant at Sherman



Below — Receiving Plant of Tennessee Dairies, Inc., at Decatur, Texas



Left — Showing Round Rock Cheese Plant, With Enlargement of Building Started Only a Few Months After Opening

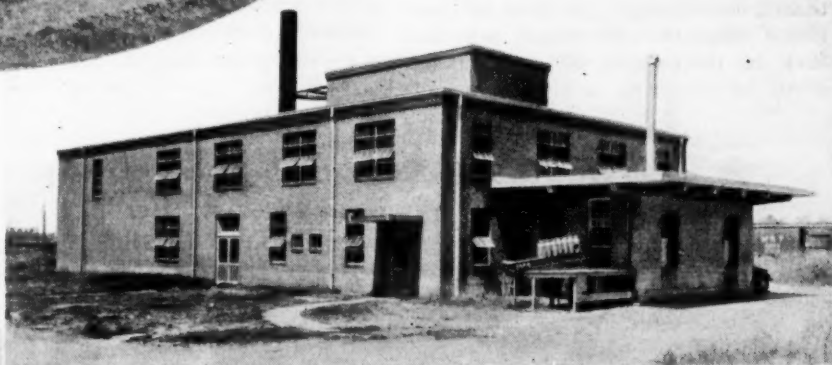


Right—Trucks Delivering Milk to Cheese Plant



Left — Meadowlake Milk Products Company Plant, Sherman, Texas

Right—Kraft Cheese Plant at Wichita Falls

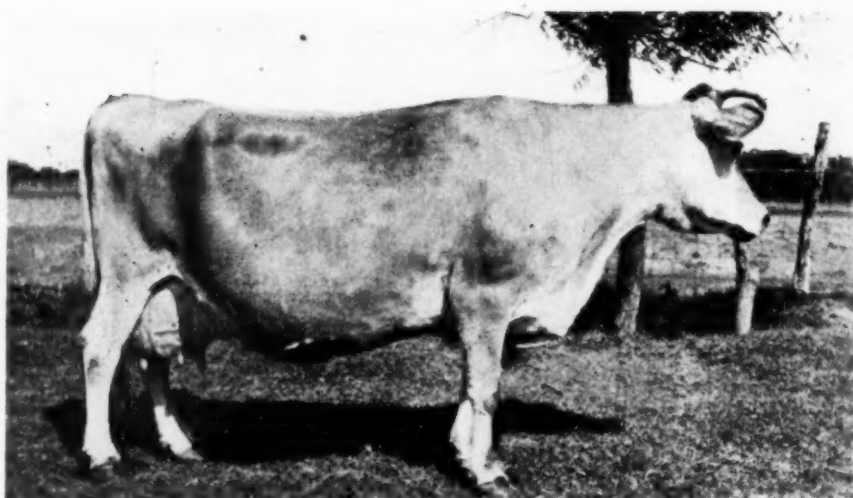


Left—Kraft Cheese Plant at Cameron, Texas

community. So Texas was strategically situated to seize every dairying opportunity as it came. The blood lines were of known value and great sires that fitted perfectly into constructive breeding programs were close at hand. Rapid expansion of dairy activities did not, therefore, entail a lowering of standards and a scrambling of herds. On the contrary, "boarder" cows were summarily sent to slaughter and real producers in larger numbers took their places in the pasture lot.

The recent excursionists to South Texas saw many wonderful individual animals, acquainted themselves with the breeding and commercial aspect of some decidedly successful dairy farms, and returned to their homes imbued with increased enthusiasm for Texas dairying opportunities. At Taft they stroked the velvet coat of Imported Matilde's Belle, the cow that walked off with the grand championship at the last National Dairy Show. Here, in some of the most even-running quality animals in the world, was a high-producing herd that had been built up in a small handful of years, in contrast to the older herds at Kingsville and Falfurrias. At Kingsville, Richard Kleberg, manager, presented some practical demonstrations in consistent breeding.

At Falfurrias was seen what for years has been the largest registered Jersey herd in the United States. Among many interesting exhibits was Majesty's Christel, a cow 17 years old and still piling up profits; she is national Jersey butterfat champion with a percentage record closely approaching 8 per cent. People down Falfurrias way—and in many distant cities as well—butter their bread with the sweet cream product that comes in the famous "Pride of Falfurrias" cartons bearing as trademark the head of Great Scot's Champion, the Texas cow that back in 1911 scored 90.5 perfect, the



Great Scot's Champion, at 11 Years

highest mark ever attained by a cow of the Jersey breed at a National Dairy Show.

But while we are extolling South Texas we must not forget that there are other great dairy sections in Texas. There are Wise, Johnson, Lamar, Fannin, Titus and Grayson counties. Hopkins County stands first in the South in its total of registered Jerseys, and fourth in the United States. Probably that fact, together with the spirit of civic enterprise and co-operation, led to the purchase of a Sulphur Springs site by the Carnation Milk Products Company.

And while we must frankly grant pre-eminence to the Jersey breed in Texas, we must, in passing, salute the many outstanding herds of Holsteins, Guernseys, and milking Shorthorns for the contributions they are making to the awakened dairy industry. More and more their worth is being proved as cheese plants are established, with their huge volume requirements.

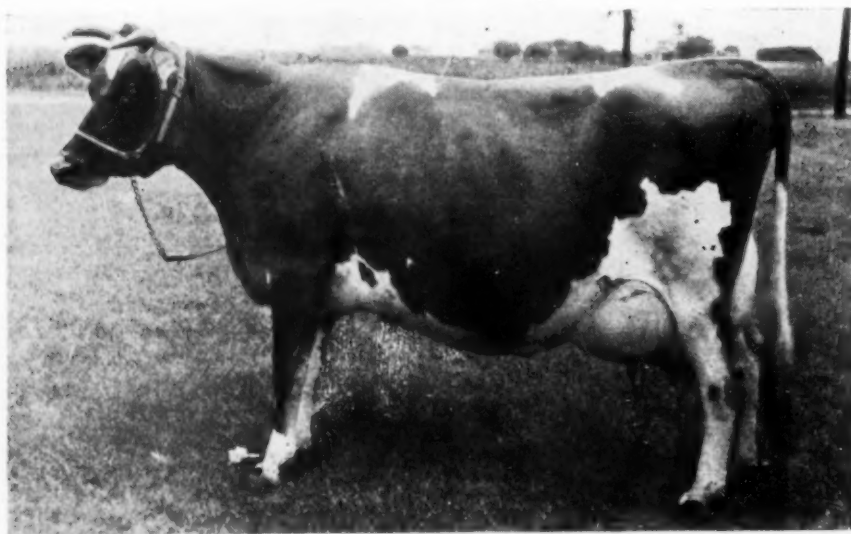
On the 29,000,000 acres now cultivated

by the State of Texas, crops worth \$1,000,000,000 annually are being grown. That exceeds the crop production of any other state by a wide margin. The area of Texas beats that of the four outstanding dairy states, Wisconsin, Michigan, Minnesota and New York, combined. Wisconsin, premier milkman of Uncle Sam's family, has but 9,500,000 acres in cultivation, much of which is for other than dairy crops. Texas, hardly more than started, has 9,500,000 acres more that it could spare for grain and hay and have plenty left for other uses. Texas makes as much as 50,000,000 bushels of grain sorghums in a year, producing nearly twice as much as its nearest competitor, 50,000,000 bushels of oats, 25,000,000 bushels of wheat, and 750,000 tons of cottonseed cake and meal, a large part of which is exported to Denmark for feeding dairy cows.

The conclusion is inevitable. The economic verdict is inescapable. As Texas agriculture continues to diversify, to expand, to include the "cow, sow and hen" program to a larger and larger extent, Texas will add more and more cottonseed products factories, more and more creameries and milk plants and cheese factories, more and more milch cows, more and more farm stability.

Thomas J. Wolf, of Cedar Park, is but one of thousands of thoughtful, intelligent Texas farmers who are placing increased reliance upon the dairy phase of farming. In a letter, relating his experiences in supplying milk to the Round Rock cheese factory, Mr. Wolf tells me:

"The secret of success, as we see it, is producing feed at home. This, of course, opens up the avenue of rotation on a profitable basis. We can plant on our farms maize, Sudan, corn, hay, peas, oats, and find a ripe market for them through the milk bucket; and if we have time to raise cotton, we are in a position to feed it to the market as it calls for it. For we have learned that a few acres of Sudan grass and fine Jersey cows are a three-to-one better go twice per month



Butter Lad's Spotted Daisy, a Great Milk Producer



than cotton with all of its uncertainties once per year.

"One acre of Sudan will afford a cow an abundance of grazing and net us 50 cents per day for a period of seven to ten months, which is from \$125 to \$140 per acre, besides which she returns fertility to the soil, thereby replenishing our worn-out cotton lands."

Texas banks are bulging with wealth won from the soil. There are more automobiles on the farms of Texas than in the rural sections of any other state. Texas resources are so varied, so apparently unlimited, that in themselves they have heretofore constituted a hobble on the dairy cow preventing her from achieving too rapid a gain in popularity.

Today Texas is bringing in masters of the cheese-making art from Denmark, Switzerland and Wisconsin. Texas, having proved its ability in production of the raw material, is deliberately setting out to capture the industrial end of the dairy business. I have been through various plants for the manufacture of powdered milk, condensed milk, cottage and cream cheese, butter and other milk products, and I have been impressed by the newness of methods, the modern

equipment, the general tone of efficiency. From the setting up of collection routes to marketing, milk plant operation in Texas proceeds on a thoroughly business-like basis. Each project starts with the making of a careful survey of milch cows and production within a practicable radius, next comes the systematic building up of herds and output, more lands are planted in feedstuffs, local finance is enlisted in support of plant construction. The rest proceeds in natural sequence, and success is assured.

People at large are having to change their conception of the Lone Star State. They are having to jot down in their mental almanacs the fact that Texas has jumped into manufacturing with a reverberant bang. In 1927, the year of the last Government figures, the value of Texas manufactured products reached \$1,206,579,962. And in this march toward industrialism, it is interesting to note how many factories are being erected which might be termed liaison points between agriculture and industry—the billion-dollar Texas twins. Cotton mills have been built, and more are being talked about. And there are the milk plants,

the cheese factories, the cottonseed oil mills, and so on. Many Texas raw products are meeting their finish right in Texas, instead of being shipped expensively overland.

The whole map of the state is taking on a milky hue. Mild climate in every section permits low-cost construction of dairy barns. Plentiful feedstuffs and year-round pastures constitute a guarantee of virtually 12 months of out-of-door life for the milch cow; that is why Texas is superior to the older dairy states of the North in the matter of producing wholesome milk. Freedom from confinement in stuffy barns is responsible for the comparatively light tuberculosis menace. And in every dairy-developing community the best type of construction and equipment is being used. Of recent years rural electrification has gone forward rapidly, and the new dairy era is finding Texas ready and eager to accept electric lighting, electric milking, electric feed grinding, and electric refrigeration. As a result, sanitation is promoted and profits are conserved.

Loud, and ever louder, sounds the clatter of milk cans in Texas!

### **\$300,000 Underpasses in \$7,000,000 Terminal Project**

Houston, Tex.—The first step toward constructing the \$7,000,000 Southern Pacific passenger terminal here has been taken by the city council in authorizing Hamp L. Shaw, city engineer, to advertise for bids to construct underpasses at Houston avenue and Milam street. The two subways, estimated to cost \$300,000, will be paid for by the city and railroad, with the Houston Electric Company sharing the cost of the Houston avenue project. Kessler street will be extended from Houston avenue to Milam street, via the subway, and right-of-way is being secured for a proposed boulevard from Franklin avenue bridge to Washington avenue, and for opening Dart and Kessler streets, all of which form a part of the general terminal plan as agreed to by the city and the railroad. Work is expected to be started on several phases of the project during the early fall.

### **Power Survey of Virginia Rivers**

Richmond, Va.—Under the direction of Col. Henry M. Jewett, U. S. District Engineer, Norfolk, a survey of the hydroelectric power possibilities of the James River and its tributaries is expected to be completed by January 1. Similar surveys will be made of the Roanoke and Meherrin rivers, it is stated, and com-

plete data filed with the War Department. The surveys will embrace all available power sites on the rivers to determine the best locations for hydroelectric plants, approximate location of dams, geologic and topographic plans of the rivers and navigation and irrigation possibilities.

### **Cigarette Factory to Open**

Durham, N. C.—The new Turkish cigarette factory here of the American Tobacco Co. will be put in operation in September with 1500 workmen, according to present plans. The company is moving its Turkish department from Brooklyn to Durham and has rebuilt a warehouse to accommodate the machinery which is expected to be installed within a few weeks.

### **Unit of Huge Power Plant Completed**

Gorgas, Ala.—The first of four units of the new \$24,000,000 steam power plant under construction here for the Alabama Power Co., Birmingham, has been completed. Test runs have been made and except for minor adjustments, which are now being made, the plant is ready for continuous operation. This unit has a capacity of 50,000 kilowatts, while the completed plant, including the three units to be built later, will have a capacity of 200,000 kilowatts.

### **Series of Textile Meetings**

The first meeting of the Textile Forum of the National Association of Cotton Manufacturers, Boston, Mass., will be held in that city on September 19, at which agents, managers and superintendents of cotton mills are expected to be in attendance. John F. Reardon is chairman of a steering committee making arrangements for a series of discussions of manufacturing problems, the committee representing the National Association, the Southern New England Textile Club, the Textile Club and the Textile Associates. Meetings will be held throughout the year on the second Thursday of the month.

### **\$1,370,000 Bonds Authorized**

Greensboro, N. C.—City Council has authorized the issuance of \$1,370,000 improvement bonds, although it is understood that no effort will be made to sell them until the bond market improves. The city plans to borrow money from time to time in anticipation of the sale of the bonds, so that public improvements may be carried on. Purposes for which the bonds are to be issued and the amounts include the following: Water department, \$125,000; underpass, \$500,000; street paving, \$50,000; street widening, \$175,000; storm sewers, \$30,000; public improvements, \$90,000, and sewerage disposal plant, \$400,000. P. C. Painter is the city manager.

# Legislative Aids to the Advancement of Florida

By F. JACK LACEY, Director Capitol Facts Service, Tallahassee, Fla.

Individual business men, while certainly a major factor in the development of any state, were powerless to help solve the financial situation in Florida, unless the legislature first helped them. It is not news now that Florida in recent years created more lots than any other state in the Union, and that many citizens invested without regard to sound judgment, and lost. It is news that \$30,000,000 worth of these lots went delinquent in tax payments following the great crash, and that other and more ancient parts of sub-divisions were placed in this list, because of the financial difficulties of the owners. No person disputed the fact that the land possessed value. It was possible, therefore, to enact legislation which would first make it easier for the land owner to pay his taxes, and next, in case he could not do so, find a new owner who could. For the first requirement a law was passed which waived the 25 per cent penalty which had been the plan of previous years. Then a Delinquent Tax Board was formed in each county and matters arranged so that the redemption of all or a part of this land could be made. It was good to note that upon announcement of the first meetings for these boards, many land owners appeared and paid back taxes on their properties.

For the second purpose, to care for a condition where a land owner cannot under any circumstances pay his past due account, a law was enacted which

makes of a tax certificate a lien which has priority over all other liens and which can be foreclosed immediately upon its purchase. In place of a 25 per cent penalty for non-payment, a schedule of 18 per cent for the first year and ten for the second was adopted. Eight per cent will be the rate of interest from that time. At the end of two years the property will be placed for sale, and the buyer can then take steps to gain title. Regardless of whether the original owner can then protect himself, or a holder of a mortgage or construction lien wishes to protect his investment, or the certificate buyer gains possession, the land will remain on the tax books and produce revenue for the state. For those occasions, when no certificate buyers appear, the land will remain delinquent, for a brief time, but if no arrangements are made to pay the taxes, the state will take possession, and the land may be resold through the land office of the Department of Agriculture.

Another source of revenue which had been anticipated in past years, but which did not materialize, was that of payment of personal taxes on automobiles. Because of the lack of enforcement and collection provisions in the rule, but one-fifth of these taxes were being paid. Under the newer regulation, the automobile owner will be required to pay this personal tax before he will be issued the annual license tag. Collection of this item will be in the hands of the

tag sales agencies throughout the state.

Motor bus lines which have been receiving a goodly share of the traffic within the state, but who were not paying tax other than personal, are placed under the authority of the railway commission. The state expects through this source to receive a considerable sum each year, in addition to that received last year.

A law which gives detail to the collection of taxes and which insures a more accurate and systematic account in the offices of the tax collectors was passed. This rule requires a land owner to file returns each year which must be accurate and attested, and will have the same enforcement regulations now possessed by the Federal Income law. All persons placing documents on record must have as a part of these documents their full names and addresses.

Banking laws have been strengthened to a point where a more rigid inspection and close supervision will be made, as an act of assistance to the officials of these financial concerns.

Regardless of the seriousness of the recent situation, it is felt that the state of Florida is well on the road to recovery, provided the present administration secures the cooperation to which it is entitled. There is a general betterment of feeling throughout the state among business men, and conditions are such that a rapid climb to a position of credit is expected.

## Remarkable Building Record in Miami Beach

Announcement in the MANUFACTURERS RECORD recently that a group of wealthy Detroit automobile people were planning to build about a dozen homes at Miami Beach at a total investment, including dwellings and surrounding improvements, of \$6,000,000 to \$10,000,000, is now followed by an interesting statement by the Carl G. Fisher Co. of Miami Beach under date of August 13. The company states that, based on the monthly building survey of S. W. Straus & Company, new building permits in Miami Beach for June exceeded the building programs of any one of 17 states, which it listed as follows:

Arizona, Arkansas, Delaware, Idaho, Maine, Mississippi, Montana, Nevada, New Hampshire, New Mexico, North Carolina, South Carolina, South Dakota, Utah, Vermont, West Virginia, Wyoming.

The building record for Miami Beach

for the first half of the year was reported as \$3,832,809, or nearly double the building record for the first half of 1928.

## To Foster Dairy Farming

As a part of the program adopted by the Agricultural Committee of the Oklahoma City Chamber of Commerce to aid in diversification of farming activities, B. H. Wilson of Calloway County, Ky., has been employed to encourage dairying operations by farmers of Oklahoma County. A program of constructive dairying has been worked out, having for its purpose the largest possible net profit through balancing every phase of dairying, including feeds, feeding, selected breeding and soil conservation work. Oklahoma County, the Oklahoma Agricultural and Mechanical College and the Oklahoma City Chamber of Commerce are financing the venture.

## Heating and Ventilating Exposition

Sponsored by the American Society of Heating and Ventilating Engineers, Philadelphia, the first International Heating and Ventilating Exposition will be held in the Commercial Museum, Philadelphia, during the period of the society's thirty-sixth annual meeting there, January 27 to 31. The Heating and Ventilating Exposition was conceived to demonstrate the evolution in scientific thermal advancement in recent years. Charles F. Roth, Grand Central Palace, New York, is manager of the exposition.

## Wants Water Filtering Plant

Amos Fultz, City Clerk at Olive Hill, Ky., advises the town would like to sell existing water lines and storage facilities to a firm that will put in a filtering plant.



# INDUSTRY LEADS in Development of Cumberland, Md.

By LEONORA W. WOOD, Keyser, W. Va.



Washington's Headquarters, 1755. Riverside Park, Cumberland

CUMBERLAND, "Queen City of the Alleghenies," is the county seat of Allegany county and the second largest city of Maryland. It is located in the Potomac valley, 150 miles from Washington on the east, about the same distance from Pittsburgh on the west, six miles from the Pennsylvania line, and a bridge's span from West Virginia.

It is with no little pride that native Cumberlanders boast that George Washington began and ended his military expeditions from the old fort, from which the town gets its name. For many years this was the farthest point westward penetrated by a railroad, and it was here the national highway to the West began. Naturally it became a great exchange place. Travelers stopping for the night, and merchandise intended for distribution beyond the mountains, necessitated the building of hotels and warehouses. Business flourished and the industrial opportunities attracted many strangers, among them substantial immigrants from Scotland, Ireland and Germany, whose descendants are found among its best and most progressive citizens today.

The rich coal fields of the vicinity, the unlimited water supply and abundance of efficient labor offered inducements to manufacturing enterprises. And within the last 25 years many thriving industries have been established.

Notable among these plants and per-

haps of first importance is the Kelly-Springfield Tire Company, housed in a new \$15,500,000 factory, covering 23 acres of floor space, and combining ideal working conditions with great efficiency. An average of 25 railroad cars are required daily to handle its business.

In the manufacture of rubber tires the



National Highway From Lover's Leap, Near Cumberland

two important raw materials are raw rubber and fabric. More than \$8,700,000 in rubber and nearly \$45,900,000 of fabric was purchased during 1928 for the Cumberland factory. In addition nearly \$3,600,000 was spent for miscellaneous raw material and supplies not obtainable in the vicinity. Local merchants furnished \$313,493 of miscellaneous supplies. In all, the company spent \$18,500,000 for raw materials.

It employs between 3500 and 3600 workmen and the amount paid in wages last year was \$4,406,587. The corporation offers employees every inducement to grow in efficiency and to increase their salaries. They are well paid and well cared for. A local hospital with doctors and nurses is maintained, and offers medical service free. A community nurse looks after sanitary and health conditions. All office employees are granted two weeks vacation with full pay, and factory employees who have complied with service requirements are granted from one to two weeks, depending on length of service. Last year the company paid out more than \$50,000 vacation money.

The factory has a "Suggestion System" which has helped to create a spirit of co-operation. As explained by the "Foreword to Employees" in a small handbook:

"The executives of this company believe in cooperation. They are desirous



Plant of the Celanese Corporation of America. The Inset Shows the Inspection Department Where Celanese Yarns Are Examined



Fort Cumberland Hotel

of fostering a genuine spirit of interdependence between employer and employees. The health and prosperity of the one necessarily means the health and prosperity of the other, and vice versa.

"Desiring to receive the maximum of conscientious, faithful service from its employees, the company is also anxious to grant the highest reward possible, consistent with the merit and value of service rendered. It is possible, very often, for an employee to render service in addition to that called for in the performance of his regular duties. For such service, the company is willing and anxious to give additional compensation."

In 1900 the N. & G. Taylor Company of Philadelphia, manufacturers of tin plate, purchased the rolling mills at South Cumberland and extensive additions were made. Until 1914 the process of manufacturing was conducted at two widely separated points, the rolling of the black sheets at Cumberland and the tinning operation at Philadelphia. This

was unsatisfactory so the Philadelphia department was moved to Cumberland, and the entire works again extended. The company is in its 120th year; it produces an old time standard roofing tin, a hand-made product of great durability; roofs of this tin have been known to remain in good condition for more than 75 years. Works of the company are reached by the Baltimore & Ohio and the Western Maryland railroads, the property covering some 26 acres, high ground, overlooking the Potomac and the Chesapeake and Ohio canal.

The rolling mills of the plant comprise the necessary equipment for converting steel bars into black sheets and black plate of the several finishes required for various kinds of tin plate. The highly finished black plates receive a bright tin coating or a terne coating, a mixture of tin and lead. The bright tin coatings range from cheap, lightly coated plate

used for tin cans, to highly coated plates with mirror-like finish used in the manufacture of specialties requiring lustre and durability. Terne plates range from a lightly coated product used in the manufacture of car seals, etc., to the heavily coated hand-made roofing tin.

Approximately 400 employees are engaged in various departments of the plant.

The Potomac Glass Company has for 25 years been considered one of the leading industries of the city. From its inception it has expressed a determination that every piece of ware turned out shall be as flawless as it can be made. Whether in moderately priced wares or in the exquisite rock-crystal goblets, retailing for \$125 a dozen, each piece is an individual representative of the factory and must uphold the high standard of its producers.

About 400 workmen are employed. Each is a skilled laborer, and considers himself an indispensable part of the establishment. For almost without exception the skilled mechanics of today were the "carrying in" boys of 25 years ago. And the boys of today are in training to take their fathers' places. It is truly a "father and son" business.

Recently the plant suffered from a destructive fire, and during suspension of operations employees are being cared for. Reconstruction will begin as soon as possible.

The Celanese Corporation of America, a two-unit plant for the manufacture of rayon from cotton linters, has found in Cumberland ready access to raw materials, an abundance of labor and excellent shipping facilities. The plant was recently enlarged and now has an annual capacity of about 10,000,000 pounds.

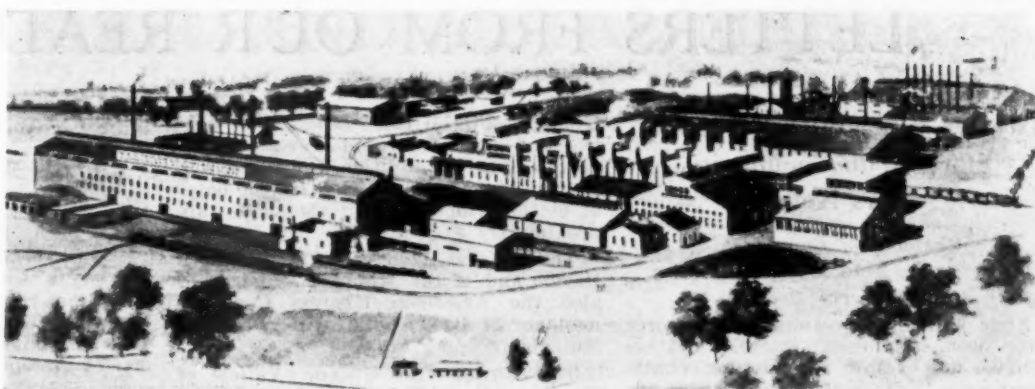
Other local industries include: The shops of the Baltimore & Ohio and the Western Maryland railroads; Footer's Dye Works; two silk mills; steam generating electric plant; four brick works; two hollow tile works; plumbers' earth-



Kelly-Springfield Tire Company Plant, Cumberland, Maryland



Cumberland  
Plant  
of  
N. & G. Taylor Co.,  
Inc.



enware works; three flour mills; one steel shafting works; six lumber manufacturing mills.

The annual value of Cumberland's industrial production is around \$50,000,000. Building permits last year represented a total valuation of \$1,296,000, giving a fair idea of the steady growth of the city. Two national banks and four savings banks furnish financial facilities.

There are churches of nearly every denomination as well as three synagogues. Twenty-three schools provide educational advantages and three first-class commercial hotels and a splendid

tourist hotel offer accommodations for traveler and tourist.

The city has four hospitals. The new Memorial Hospital, just opened, contains 100 beds, is modern throughout and was erected at a cost of over \$500,000. By order of the recent legislature, \$125,000 must be set aside by city bonds for erection of a home for nurses and some needed furnishings for the hospital and home.

On Mexico Farms, six miles from Cumberland, is a splendid airport. Recently 21 large government planes and an observation plane took refuge there for several days during a storm. Not far distant, at Rawlings, another port is being opened, stated by airmen as eventually to become one of the best in the state.

A large volume of trade comes into the city over the Western Maryland Railroad, which traverses the rich coal and lumber fields of West Virginia. The Cumberland and Pennsylvania Railroad and the Westernport Transit Company connect the city with the George's Creek mining region, and besides the business brought to the merchants from the big coal centers, local manufacturers find the best steam producing coal in the

world at their very door and at the lowest price.

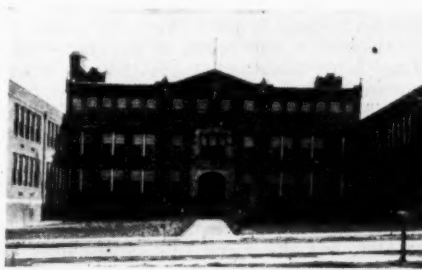
Cumberland is close to one of the great fruit growing sections of the country, with truck garden and dairy developments near at hand.

Two daily papers, the Daily News and the Evening Times are active in their support of every worthwhile community effort. The Daily News recently concluded an 18-weeks' advertising campaign to give local emphasis to the industries of the city and section.

The spirit of optimism and friendly cooperation which has helped Cumberland to grow from a country town to a thriving city of around 47,000 inhabitants is still at work, and the community looks to the future with confidence.



First National Bank



Allegany High School

### New Baltimore Investment Trust

The Hambleton Corporation, Baltimore, has been organized to acquire control or substantial interest in banks, public utilities, industrial companies, investment companies and other organizations in order to bring about consolidations or to engage in development work looking to the creation of seasoned securities for sale to affiliated banking organizations and others. The company, to be incorporated under the laws of Delaware, will have an authorized capital of 200,000 shares of participating cumulative \$3 dividend preferred stock without par value, of which 100,000 shares will be presently outstanding, and 200,000 shares of common stock without par value, 100,000 shares of which have been purchased

by Hambleton & Company, Baltimore, and associates, at \$1,000,000. T. Edward Hambleton, president of Hambleton & Company, will be the president of the new organization.

### Plan \$400,000 Church

Nashville, Tenn.—Plans are being prepared by Donald W. Southgate, local architect, for a new building here for the West End Methodist Episcopal Church, South, for which construction bids will be opened about October 15. The structure will be 150 by 55 feet, 2 stories, of stone construction, with concrete foundation and floors. It will cost about \$400,000. Proposals may be addressed to the Rock City Construction Company, Nashville.

### Asks Bids on 200 Miles Roads

Jefferson City, Mo.—Bids will be opened September 17 by the Missouri Highway Commission on approximately 70 road and bridge projects, covering more than 200 miles of highways. Eight projects call for 19.801 miles of concrete; 28 for 91.632 miles of gravel, and 23 for 94.979 miles of graded earth. Bridge construction includes 5 projects calling for a total of more than 4000 lineal feet, while one project calls for a bridge extension of 0.156 mile. One project embraces 170 feet of retaining wall and one calls for 0.289 mile of bank sloping. Gravel haul is covered by three projects calling for a total of 10.333 miles and chat haul by one calling for 3.371 miles.

## LETTERS FROM OUR READERS

### Greater Cooperation of Chain Stores With Community Affairs Needed

Chamber of Commerce.

Johnson City, Tenn.

*Editor Manufacturers Record:*

Your articles concerning chain stores have been of unusual interest and we believe will result in bringing chain-store organizations to realization of the fact that it is going to be necessary for them, as well as all other large corporations with branches in various parts of the country, to cooperate with local communities, the success of which concerns them vitally.

We would like to see this proposition you have started turned into a real campaign on the part of local communities to impress nation-wide organizations with the importance of cooperating with communities in which they operate in every way possible. For the success of our local banks, which are the foundation of America's financial structure, it is necessary that these institutions leave cash deposited so that it will be available for local credit as other business and commercial deposits are so used. It is also necessary that they not only carry one membership in local chambers of commerce but that they carry memberships in proportion to their size and volume of business. If they do not, the burden of financing chambers of commerce is left on local organizations. It is also necessary that they contribute to local charity and religious organizations. They must admit that the church is the bulwark of America's freedom and failure to help to maintain these institutions will eventually react to the detriment of all.

It is interesting and satisfying to know that some large organizations are training their employees in the matter of civic affairs, but the spirit and moral fiber of all citizenship, it would seem, is being neglected in the great scheme of world business and finance. It is the writer's judgment that this phase of life should begin to have its due attention. If it does not, America is due for a fall.

HARRY FAW, Secretary.

### Texas Citrus Growers Fear the Mediterranean Fly

Frontier Lumber Company.

Brownsville, Texas.

*Editor Manufacturers Record:*

In a recent cover page editorial you stated that the United States Government should reimburse the fruit growers of Florida for at least a part of their loss from the devastating Mediterranean fly; also you said that Californians were very much worried because of the danger of infestation by the fly in their state. I wonder why you did not state that the Lower Rio Grande Valley of Texas is also very much worried because of the same danger.

Three counties, Willacy, Cameron and

Hidalgo, shipped more than 25,000 carloads of citrus fruit and vegetables this past season. In addition, the valley has already ginned and shipped 100,000 bales of cotton which brought the valley approximately \$11,000,000.

The general agents of the Southern Pacific and of the Missouri Pacific, and also the American Express Company manager of Brownsville, will verify my statement.

The Lower Rio Grande Valley of Texas produced more citrus fruit and vegetables than any other similar area in the world and I do not believe you fully appreciate the importance of the valley from a citrus fruit and vegetable standpoint. There are over 4,000,000 citrus fruit trees growing in the Rio Grande Valley; this will give you some idea of the citrus fruit production we will have in the next year or two.

R. C. MORRIS, Secy. & Treas.

### A Chamber of Commerce View As to Chain Stores

Duncan, Oklahoma.

*Editor Manufacturers Record:*

I have read with great interest your articles on the chain store movement and, like the average commercial secretary, have given much thought to this trend of business.

Personal experience would lead me to believe that most of the larger as well as the smaller chains are ready and willing to take membership in a chamber of commerce, provided that chamber is not fighting the chain store movement in their community.

The greatest trouble I find is in getting the local manager of a chain store to weigh the value of the program of work being put on by the commercial organization in his particular city, to enable him to decide just how much money his branch store should invest in the organization.

Certainly some chamber-of-commerce programs are vastly more valuable than some others. Certainly there is less waste of money in one organization than in some other. And some chambers are putting over a program of work which is bringing greater return to their community than would be true of some other city.

On that basis, it would seem that the chamber budget should be supported and not "because the Blank stores are subscribing \$25 to the chamber at Podubville, so that is all we can allow here."

ROY S. MILLER.

### "Is It Fair?"

H. P. Converse & Co.

Boston, Massachusetts.

*Editor Manufacturers Record:*

Permit me to congratulate you and to express my appreciation of your editorial "Is It Fair?" in the August 29 issue of the MANUFACTURERS RECORD.

Your position is absolutely sound.

H. P. CONVERSE.

### Rice Growing in Florida Claimed to Be a Great Possibility

Tampa, Florida.

*Editor Manufacturers Record:*

I was formerly a large scale grower of rice in Arkansas, and was familiar with the rice business in Texas and Louisiana in all its branches, so when I see any land I naturally think in terms of rice growing.

There is a character of soil in Florida known as a flatwood soil and, where it is underlaid with hard-pan, it is the general impression that it is almost valueless.

I viewed a tract of land north of Tampa recently which is on or near hard roads and a railroad, and to my surprise a man supposed to be familiar with Florida lands told me it had almost no value. I found it to be one of the best rice land tracts I ever saw. It is level enough to be easily diked, has sufficient drainage to take away water put upon it, and underneath is an almost inexhaustible supply of water. There was practically 100,000 acres in the tract, ideal for rice, and the hard-pan or tight sub-soil is one of the very things necessary to hold water on the surface at the proper stage in rice growing. The top soil is much better than usual in rice land territory. The building of levees, the diking for contour, and the pumping of water is far more easily and inexpensively accomplished than in any section I have seen before.

The rice industry is a 90-day crop, and needs water from 50 to 70 days of that time. I believe if proper attention is directed to the rice situation, there will be far more farming in Florida.

When it is known that there is no frost in Florida from March through December, it can be easily understood that one can plant in March and the crop will be off in June; one can broadcast and disk a second crop on the stubble in June and the crop will be off in September—two crops a year. Then leaving the shattered rice in the field for a feed crop for stock would be a money-making opportunity after the second crop is off. In other states there is no chance to raise more than one crop and sometimes it is necessary to harvest early to avoid early frost.

Probably this is no new discovery for Florida, but I am sure it is one that would give employment to thousands of people, and it would mean the investment of hundreds of thousands of dollars in mills, machine shops and machinery houses, and would add millions of dollars to Florida's agricultural production. It is my opinion, after years of experience in the rice business that, with two crops on the same land and with time to spare, it would be Florida's surest and most profitable crop.

I do not own the land mentioned; I do not have it for sale, but I do want to render to the South and to Florida a service by doing as you do, calling the attention of the world to its possibilities and will be glad to give any information I have.

L. T. MOUNTZ.

307 Franklin St.



# IRON, STEEL AND METAL MARKET

## 1929 to Be Record Year in Pig Iron Production

Pittsburgh, September 9—[Special.]—Since 1913 pig iron production has made only two new records in annual production, in 1916 and 1923, but this year will make another new record by a large margin, prospects being that the total of pig iron and ferroalloys will be around 43,000,000 tons, against 38,155,714 tons in 1928 and 40,361,146 tons in 1923. The gain over last year would be about 12 per cent, with about 7 per cent gain over the record year.

Through the year 1913 pig iron production made new records oftener than not. Since then it has made a new record only twice while steel ingot production has made a new record five times. The divergence is due to two factors, the failure of the foundry industry to grow materially and consume more pig iron, and the swing from the Bessemer to the open-hearth process of steel making, the latter using much scrap. This year the supply of scrap has not increased altogether as much as total steel production, whereby there is a slight increase in the proportion of pig iron, as against scrap, charged in open-hearth steel making furnaces.

Thus far the steel market has not increased materially in activity following the ending of the vacation season, but the month as a whole is expected to show an improvement over August. For several months steel buying has been decreasing somewhat but this has been largely offset by the mills having had an accumulation of orders, which is now reduced to ordinary proportions.

There has been only a slight decrease in the rate of steel production, which at the present time is probably within 10 per cent of the all-time record rate of last May. There may be a little increase next month but in general the trend is likely to be slightly downward to the end of the year, with the usual upturn in January. The decrease is due chiefly to seasonal factors, automobile and rail production being lighter while the agricultural implement works are not consuming altogether as much steel as in the first half of the year and the freight car shops, which have had a good run in the last few months, are nearing the end of their large orders.

During the first half of the year automobile production varied month by month in close keeping with the natural seasonal swing as computed by averaging the different months in the last five years. Since July 1 the decrease has been somewhat more than usual, based

on number of cars and trucks produced, but the decrease is all in non-Ford production, Ford production being fully maintained. As Ford is a light car there is an extra decrease in the tonnage of steel taken by the automobile industry as a whole.

Fabricated structural steel awards have been quite light in the last couple of weeks and for six weeks they have averaged some 22 per cent below the average January 1 up to that time, but the shops had such an excess of bookings over shipments for six months up to August 1 that they now have a large tonnage and are certain to run well for several months, while new business may easily pick up.

Rail production is decreasing farther this month, and rather sharply. Completion of annual orders was protracted well beyond July 1, the usual date, partly on account of scarcity of steel. The supplementary or summer buying movement did not amount to much, but the annual buying season is near at hand, promising an upturn in rail production within a couple months.

Finished steel prices are steady all along the line but are not buoyant and mills are quite ready to enter fourth quarter contracts at prevailing figures.

Pig iron markets are steady but not particularly active. Foundries are hardly running as well as in the fore part of the year.

Scrap markets in the various districts are a shade easier.

## Copper Prices Advance in Active Market

New York, September 9—[Special.]—The long-predicted rise in copper prices materialized last week, capping the climax of the best buying the last two weeks of August since March. Though higher prices had been predicted in circles close to Wall Street for some time, many did not take the predictions seriously and believed the talk was for stock market consumption only. Buying of copper has been even heavier the first week of September than during the last two weeks of the preceding month, the impending rise of the market having brought consumers into the market in an undignified scramble. They have been covering their needs until the end of the year in several cases, though October shipments have borne the brunt of the business.

Lead has been relatively as active as copper and on Thursday the American Smelting & Refining Co. marked up its

price \$3 per ton to 6.90c, New York, the first change in several months. On the preceding day the Middle Western price had risen \$1 per ton and by late in the week was 6.65c, East St. Louis.

About the most that can be said for zinc is that it is steady, the expected revival in purchasing so far failing to materialize. A constructive feature is the decision of at least 75 per cent of the mine operators in the tri-State district to shut down mines this month from one to four weeks in order that the surplus of ore may be worked off. Tin has been decidedly weak, especially on Tuesday when it was announced that the world's visible supply had increased 2611 tons during August and that Straits tin shipments to all countries last month were nearly 9000 tons.

Among the minor metals antimony has weakened by ¼c per pound following the burst of strength in August, present prices being 8¾c per pound, duty paid, for prompt shipment. Quicksilver has been somewhat erratic in price action, the latest movement having been a rise by 50c per flask of 75 pounds. Silver prices have fluctuated slightly above 52c per ounce which is low by comparison with the average quotation of the past several months.

The steel industry is still in a belated summer lull, but since it comes so late it may be of short duration. There is room for considerable improvement in the demand from the automobile industry and the railroads and of course the non-ferrous metals suffer too from the comparatively low state of demand for raw materials. Automobile production over the first eight months was 37 per cent ahead of last year.

Higher copper prices were a surprise to many despite predictions of advancing prices heard frequently in the past few weeks. It was believed that the flop in price from 24c to 18c early last spring would cause producers to be unusually conservative in advancing prices again this year.

The substitution of other metals and materials is to be reckoned with seriously by the copper producers. One example of the use of substitutes is the case of a brass maker at Bridgeport, Conn., one of whose best customers was a manufacturer of lighting fixtures. Since refined copper went to present levels this manufacturer has substituted alloy steel and still higher prices for refined copper will not induce him to return to the employment of copper. Germany is making good progress with the use of aluminum in the place of copper and such non-metallic commodi-

ties as bakelite is making inroads into copper consumption. Some of the latest skyscrapers are being trimmed with a rustless iron containing chromium and nickel. Thus the new Chrysler building in New York is to contain a dome and trim of a steel alloy containing 18 per cent chromium and 8 per cent nickel. Much the same sort of alloy is being used in the construction of the Union Trust Co. building, Detroit, which is to contain at least 40,000 pounds of this silvery metal.

Sales of copper for the seven days ending Wednesday were 100,000 tons, a record over such a period of time. On Tuesday sales came to 35,000 tons, which is a record for a single day's business. As this is written some producers have advanced the domestic copper price to 18½¢ per pound, though it is not yet fully established. Copper sold on the National Metal Exchange for April delivery at 18.65¢, implying the expectancy of higher prices by next spring.

The world's visible supply of tin stood at 26,400 tons at the end of August and Straits tin shipments to all countries were nearly 9000 tons, which was 1000 tons larger than expected and hence a bearish development. Prompt Straits tin has been selling at under 46¢ per pound, or the lowest in several weeks. It has been the most drastic spell of weakness that the tin market has undergone for a long time.

The official price of prime western slab zinc is unchanged at 6.80¢ per pound, which is holding well for prompt shipment, though for future deliveries this price has been shaded by as much as 5 points. The ore price has held at \$44 for twenty-four weeks.

### Stronger Pig Iron Market

Birmingham, September 9—[Special.]—Southern pig iron is showing more strength, with tons of iron being shipped out of the territory on orders taken during the past four weeks at very low prices. One furnace company has sounded the warning that its tonnage on books is about as large as desired at present prices; another company is in position to ask for higher prices. Quotations are given at \$14 to \$14.50 per ton, No. 2 foundry base, the latter price being asked in the home territory. Concession has been given on the \$14 base in competitive fields but there is not as much slashing as a few weeks ago and business has been declined at very low prices. An extensive surplus stock of iron was piled up during the past several months, greater than at any time in the past. But many orders have been booked on which delivery will be made through the remainder of the year, and in some

circles it is estimated that around one-third of the iron on yards can be removed.

Production has been reduced by the blowing out of three blast furnaces, the Sloss-Sheffield Steel & Iron Company cutting out its North Birmingham furnace the past week. However, announcement is made that within a few weeks, after relining and repairing, two of these iron makers will be placed in commission again. Production of iron for the first eight months of the year is a little better than for the same period a year ago.

Local consumption has changed but little recently. The cast iron pressure pipe manufacturers state that lettings are not so numerous and that unfilled tonnage is being worked down but there is still active operation of shops. It is believed there will be warrant for steady manufacture of pipe into November and December and that shortly thereafter the winter buying will start, the bulk of delivery to be in the early spring. The greater portion of the demand for pipe is the centrifugal class. Manufacturers here in the last two years augmented their production capacity in this line considerably and are meeting a demand that is increasing. Quotations are unchanged. Much pipe has been going to the Northwest and tonnage is still due the far West.

The radiator shop has been melting pig iron fairly steadily, while machine shops and foundries are quite busy.

The steel market has receded a little, operations of mills of the district being estimated at about 70 per cent capacity. Minor repairs are being made in the rail mill of the Ensley works and when new business is placed by the railroads there will be resumption on a steady scale. The labor is being kept intact fairly well, a little employment being furnished in other departments. Several open hearth furnaces are being repaired. The Gulf States Steel Company is still operating all six of its open hearth furnaces and the bar mill continues on a day and night schedule, six days a week. Wire and wire products are in better demand and with the cotton crop coming in now expectations are there will be a better demand than for many months. Considerable stock is on hand in wire and wire products.

Coal mining reports are improved, both domestic and steam coal being in fairly good demand. Railroads are taking coal while other large consumers are planning for the more active season. Coke is steady, foundry coke holding to the \$5 quotation. Alabama coke is still moving into other territory.

Scrap iron and steel is slow. Steel is much stronger than iron, demand for the latter items being practically nil. All

quotations are weak except heavy melting steel which ranges between \$10.50 and \$13.50, but the larger consumers apparently have all needs supplied for the time being.

Pig iron and iron and steel scrap quotations are as follows:

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$14.00 to \$14.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$14.50 to \$15.00; iron of 2.75 to 3.25 per cent silicon, \$15.00 to \$15.50; iron of 3.25 to 3.75 per cent silicon, \$15.50 to \$16.00.

#### OLD MATERIAL.

Old steel axles .....	\$17.00 to \$18.00
Old iron axles .....	17.00 to 18.00
Old steel rails .....	13.00 to 14.00
Heavy melting steel .....	10.50 to 13.50
No. 1 cast .....	13.00 to 14.00
Stove plate .....	12.50 to 13.00
No. 1 railroad wrought .....	10.00 to 11.00
Old car wheels .....	11.00 to 12.00
Old tramcar wheels .....	12.00 to 13.00
Machine shop turnings .....	7.00 to 8.00
Cast-iron borings .....	7.00 to 8.00
Cast-iron borings (chem.) .....	13.00 to 13.50

### 61-Mile Transmission Line

Jackson, Miss.—Plans have been made by the Mississippi Power & Light Company to construct a 61-mile transmission line to connect this city and Durant, Miss., thus effecting the first connection in Mississippi between the northern and southern systems of the company. The line will be of 110,000-volt capacity and will involve the installation of extra equipment in the Jackson and Durant stations. It is expected to be completed by November.

### Hardware Firms Merge

Houston, Tex.—The Peden Iron and Steel Company, of this city, has acquired the assets of the E. L. Wilson Hardware Company, Beaumont, with the exception of real estate and buildings, making the former one of the largest hardware and supply organizations in the Southwest, with assets said to be in excess of \$6,000,000. E. G. Edson, formerly president and general manager of the Wilson company, and Virgil Keith, formerly vice-president, will become directors of the Peden organization, of which E. A. Peden is president.

### Contracts on \$500,000 Hospital

Little Blue, Mo.—The following contracts have been awarded by the Jackson County Board of Commissioners, Independence, Mo., for constructing buildings here for the Jackson County Hospital for the Poor:

Electric wiring and signals — Crescent Electric Co., Kansas City, Mo., at \$12,955

General construction — Lishear Construction Co., Kansas City, \$291,295.

Heating, ventilating and plumbing—A. D. Jacobson Plumbing & Heating Co., Kansas City, \$46,145.

There will be three structures of 3 and 4 stories, of native stone with Carthage stone trim, to accommodate 260 beds. Frederick C. Gunn and Fred Wallace, both of Kansas City, are the architects.



# HIGHWAYS AND MOTOR TRANSPORT

## PLAN OHIO RIVER BRIDGE

### Big Structure to Have Three Spans Totaling 1420 Feet

Owensboro, Ky.—Application has been filed with the United States War Department by the Owensboro and Rockport Bridge Co. for authority to build a combination rail and vehicular bridge across the Ohio River between Owensboro and Rockport, Ind. In presenting the application the name of the original bridge company was used instead of that of the Kentucky, Indiana and Northern Railroad Company, under which the enterprise will be known as soon as the secretary of the State of Delaware approves an application of the bridge company for a change in name. While no date for a hearing on the application has been fixed by Col. George R. Spaulding, U. S. Engineer for this district, W. A. Batten, president of the bridge company, expects actual construction to be started not later than November 1.

The proposed bridge will have three spans, the major span to be on the Indiana side of the river and extend for 720 feet. The second span will be 400 feet long and the third span about 300 feet. The Indiana Highway Commission will build a road to the bridge, it is said, to connect with other Southern Indiana highways, and on the Kentucky side of the river about a mile of roadway will have to be constructed.

### \$950,000 Bridge Bonds

Knoxville, Tenn.—Bids will be opened September 16 by S. O. Houston, Knox County Judge, for the purchase of \$950,000 4½ per cent bonds, to include \$500,000 as the county's share toward the construction of the Henley street bridge, \$200,000 for the Solway ferry bridge and \$250,000 for the McBee ferry bridge. No bid will be considered at less than par and accrued interest. Authority for constructing the Solway and McBee ferry bridges, to span the Clinch and Holston rivers, is expected to be obtained at the coming session of Congress.

### \$368,000 Low Bid for Bridge Work

Washington, D. C.—Low bid for constructing the approach to the new \$10,000,000 Arlington memorial bridge here, from the end of B street and including the superstructure of the water gate on the plaza on this side of the bridge, was submitted by the National Construction Co., Atlanta, Ga., at \$368,000. The ap-

proach, about 1000 feet long, is considered one of the important features of the project. The Arlington Memorial Bridge Commission, U. S. Grant, 3rd, executive and disbursing officer, is handling details of the enterprise and Major J. C. Mehaffy is engineer officer in charge of construction.

### Bids Asked on 38 Miles Surfacing

Frankfort, Ky.—The Kentucky State Highway Commission receives bids until September 20 for surfacing 38.3 miles of roads covered in four projects as follows:

**Henderson County** — (two projects) 8.9 miles Corydon-Henderson road; 6.3 miles Henderson-Owensboro road

**Hickman County** — 10 miles Clinton-Mayfield road

**Laurel County** — 43.1 miles London-Manchester road.

### Plans for \$800,000 Baltimore Bridge

Plans and specifications for an \$800,000 bridge to carry Pennington avenue over Curtis Creek to the junction of Marley Neck and Hawkins Point roads are expected to be ready for the Board of Awards, Baltimore, early in October. The length of the structure, including approaches, will be about 1200 feet. Henry G. Perring is the engineer.

### \$3,000,000 for Roads in Texas County

Brownwood, Tex.—The first contract in Brown County's road building program, for which the county voted a bond issue of \$1,650,000 last October, will soon be awarded by the State Highway Commission. Proceeds from the sale of the bonds will be supplemented by approximately \$1,500,000 from state and federal funds, with which it is planned to hard-surface all highways in the county and build 300 miles of lateral roads.

### Missouri Offers \$7,500,000 Road Bonds

Jefferson City, Mo.—The State Board of Fund Commissioners will sell \$7,500,000 road bonds on September 18, with an interest rate of 4½ per cent. This issue is a portion of the \$75,000,000 bond issue authorized at the general election last November. It is understood that there will be no other issue this year, but members of the board state it is likely that not less than \$25,000,000 will be issued and sold in 1930.

### 30-MILE BOULEVARD VISUALIZED

#### Tennessee Interests Would Build \$5,000,000 Highway Knoxville to National Park

Knoxville, Tenn.—A boulevard leading from this city to the edge of the Great Smoky Mountains National Park, a distance of 30 miles, has been suggested by Willis P. Davis, president of the Southern Appalachian Conservation Association, and the idea endorsed by Governor Henry D. Horton, Representative J. Will Taylor of the Knoxville district, and other prominent state and federal officials. As a contribution to the project a right-of-way 300 feet wide will be sought from owners of the property and the Federal government will be asked to pay half the cost of the boulevard, while the state may pay 80 per cent of the other half and the three counties of Knox, Blount and Sevier, through which the road would run, would defray the balance. Within the coming year, the government is expected to take over 425,000 acres of land for the park, but until the land is acquired and a system of roadways built, the route of the proposed boulevard may not be known, as it is expected to tie in with the park roadways. The project contemplates a park through the center of the 300-foot right-of-way with a 75-foot hard-surfaced road on either side, another roadway for farmers and trucks, and bridle and hiking paths. Trees would be planted in the park space and along the roadway. The project is estimated to cost from \$3,000,000 to \$5,000,000.

### Asks Bids on 121 Miles Roads

Austin, Tex.—Contracts will be awarded September 17 and 18 by the State Highway Commission for road and bridge construction, the former embracing a total of approximately 121 miles. The following work is involved:

**Denton County**—8.33 miles of grading and drainage structures

**Dimmit County**—9 miles of gravel base course through Asherton, and 9 miles of gravel and caliche base through Carrizo Springs

**Goliad County**—17 miles of concrete Goliad to Bee County line and 13 miles Goliad County line on highway No. 12

**Kays County**—Concrete bridge across San Marcos River at San Marcos

**Jackson County**—8.5 miles of concrete, Edna to Victoria County line

**Karnes County**—Two bridges across San Antonio River

**Lavaca County**—8.5 miles concrete, Hallettville to Mustang Creek

**Matagorda County**—10 miles of grading and structures to Wharton County line

**Milam County**—15 miles of concrete, Milano-Hearne highway.

**Randall County**—17 miles of grading and structures

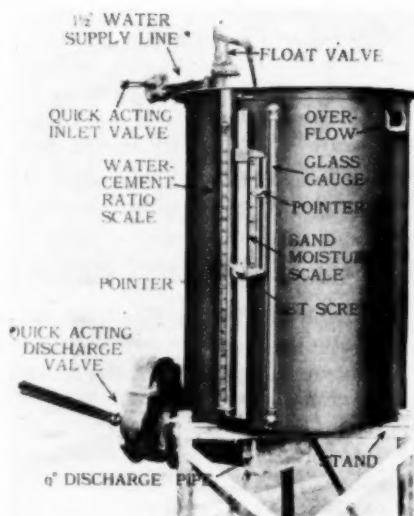
**Wilbarger County**—6 miles of concrete, Tolbert to Hardeman County line.

## NEW AND IMPROVED EQUIPMENT

### Two Styles of Blaw-Knox Tanks

A water measuring device for accurate control of water-cement ratio in mixing concrete has been developed by the Blaw-Knox Co., Pittsburgh, Pa. It is designed for use with mixers of one, two and three cubic-yard capacities, also intermediate sizes. The tank is made in two styles, manual and automatic, both of the open top type and equipped with calibrated scales on the outside, with water gauge glasses. In the manually operated tank a pointer may be set to indicate the number of pounds of cement to be used in the batch and an auxiliary scale indicates the amount of water to be measured out to compensate for moisture in the aggregate. Filling is controlled by a float valve.

The automatic tank is arranged similarly to the manual tank, except that it is fitted with an adjustable overflow funnel inside the tank and at the center of it. When the pointer is set for the required amount of water, the overflow



Water-Cement Ratio Measuring Tank, Manual Type

tunnel is automatically set at the same level. In both automatic and manual tanks the amount of water measured out for each batch is clearly visible at all times.

### Power Hoist Trailer

The Miami trailer, manufactured by the Miami Trailer-Scraper Co., Troy, Ohio, and designed for use with the Caterpillar tractor, manufactured by the Caterpillar Tractor Co., San Leandro, Cal., is said to afford an ideal unit for industrial and similar service where a low loading height is desirable, as in handling metal chips, shavings, scrap or refuse. The trailer is dumped by the tractor operator from the seat, by means of the Miami winch. A special screw

jack may be furnished at small additional cost for attachment to the draw bar, so that the trailer may be spotted at any convenient place for loading, and a special Miami hitch permits quick coupling to the tractor. Capacity of the Model 10 winch is a cable speed of 90 feet per minute, drum capacity of 160 feet, while that of Model 15 is a cable speed of 70 feet per minute, drum capacity 160 feet, and Model 20, cable speed of 90 feet per minute, drum capacity 300 feet. The trailer may be furnished with a hand hoist also.



Miami Trailer With Caterpillar Tractor

### Westinghouse Weldomatic

A new automatic welding outfit complete with electrode feeding device, control cabinet and operator's panel, has been developed by the Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., known as the Weldomatic and designed to operate from either Westinghouse variable voltage or constant voltage welding motor generator sets. The purpose of its manufacture is to meet the demand for an automatic welder of compact dimensions to facilitate mounting on the welding tool, and also to produce a device as reliable as the usual shop tool. It automatically



A Compact Automatic Welder

strikes and holds an arc between an electrode and the work to be welded without the aid of an operator other than to press the starting button. The feeding device permits ready application to work handling tools and the drive motor is mounted in a cylindrical frame which supports the nozzle assembly.

Control units are mounted in a cabinet, a small motor generator set in the cabinet automatically controlling the head motor to change its speed and the direction of electrode feed as required by arc conditions.

### \$1,000,000 for Roads

Luling, Tex.—A bond issue of \$500,000 for constructing roads has been voted in precinct No. 2, Caldwell County, in which this city is located. Funds from the issue, augmenting those from a bond issue of \$150,000 voted several months ago, with promised state and federal aid, will bring the total to be expended for hard-surfaced roads in Luling precinct to approximately \$1,000,000.



# CONSTRUCTION DEPARTMENT and NEW ENTERPRISES

Covering the initial announcements of new undertakings with additional information about enterprises previously mentioned. The date at the end of an item indicates preliminary facts were given in a previous issue.

When writing to a new firm or corporation the name of at least one of the incorporators should be placed on the envelope to expedite its handling by the local postoffice. Mail may be delayed unless complete address is given.

Building and Construction Proposed and Contracts Awarded; Manufacturing, Mining, Power, and Land Developments; Public Works; Transportation; Communication; Financial Enterprises; New Business Opportunities Reported in the Sixteen Southern States.

The Daily Bulletin of the Manufacturers Record gives each business day advance news published in this weekly review. It is invaluable to those requiring prompt information. Subscription price \$40.00 a year.

## Airports, Airplane Plants, Etc.

Ala., Mobile—City contemplates system of beacons and floodlights at airport, Cedar Point Road.

Fla., Tampa—Aero & Auto Engineering Co., F. L. Ludwig, V.-Pres. and Mgr., leased 40 acres adjacent to 22d St. causeway on Hillsborough Bay, and took option on 500 additional acres, for \$100,000 airport, including school, hangars for both land and sea planes and pilot's club; soon begin work.

Ga., Atlanta—Pitcairn Aviation, Inc., care John K. Otley, Jr., Fourth Natl. Bank Bldg., general office, Sperry Bldg., Manhattan Bridge Plaza, Brooklyn, N. Y., let contract to Virginia Bridge & Iron Co., Roanoke, Va., through Ewing Humphries, Local Dist. Mgr., for struc. steel work on hangar and passenger station, Candler Field. 8-29

Ky., Louisville—Arthur Chevrolet Aviation Motor Co., Indianapolis, Ind., reported, probably establish \$1,500,000 plant to manufacture new type airplane motor; Louisville directors include Thomas Graham of E. W. Hays & Co., 129 S. Fifth St.; Alex. Robinson, of James C. Wilson & Co., and Craigie Krayenbuhl, V.-Pres., Commonwealth Life Insurance Co.

La., New Orleans—New Orleans Air Transport, Inc., capital \$250,000, being organized; Frank R. Smith, Pres., 2523 Octavia St.

Md., Baltimore—Aviation Corp., Graham B. Grosvenor, Pres., 122 E. 42nd St., New York, reported, secured option on 508 acres on Back River between Todd's Point and extending to North Point Road for central manufacturing plant, est. ultimate cost \$15,000,000; plant covering 15 acres to manufacture all-metal super flying boat, multi-motored, having 150 to 200 ft. wing spread; construct large wind tunnel for testing aircraft models; remainder of tract to be laid out for future expansion and for developing private airport; initially employ 1200 to 2000; Duncan Cox heads group of New York engineers to establish permanent offices soon and supervise construction.

Md., Baltimore—Berliner-Joyce Aircraft Corp., Hearst Tower Bldg., constructing wind tunnel and laboratory; 60x120 ft., brick, 2-story; power station with 300-h. p. motor generating set; 250 h. p. motor to drive 13-ft., 4-blade propeller to force air through tunnel; tunnel about 16 ft. wide; General Electric Co., Schenectady, N. Y., has contract for electrical equipment, all specially built; M. A. Long Co., Gen. Contr., 10 W. Chase St.

Mo., Kansas City—Goebel Aviation Co., Conrad H. Mann, Pres., Commerce Bldg., increased capital stock, \$200,000 to \$300,000.

Mo., St. Joseph—Fairfax Airports, Inc., Mark W. Woods, Chmn. of Bd., Lincoln, Neb., acquired municipal airport on long term lease and plans immediate development. (See Farley, Mo., 8-8)

Mo., St. Louis—Ozark Club, W. H. Lambert, plans establishing airport in connection with country club.

Mo., St. Louis—Bd. of Public Service approved ordinance appropriating \$28,000 of \$2,000,000 airport bonds for constructing runway at Lambert-St. Louis Flying Field; 1500 ft. long, 50 ft. wide; at right angles to present runway; probably let contract in 10 days. 8-22

Mo., Tarkio—Tarkio Flying Club, Inc., capital \$150,000, chartered; J. B. Shaum, Paul Oswald.

N. C., Asheville—Chamber of Commerce leased Asheville-Hendersonville Airport; expend \$25,000 to \$30,000; receives bids in few weeks.

N. C., High Point—C. L. Amos, George A. Clark and Alston Clark leased site for private airport; plan incorporating flying field and conduct local flying service, including passenger flying, cross-country transportation, instruction to flying students, sales of planes, etc.; erect hangar.

Okla., Alva—Western Air Express, 117 W. Ninth St., Los Angeles, Calif., have improvements completed Oct. 15, including brick and steel hangar, 100x120 ft., administration building, sand and gravel runways, boundary and beacon lights. 8-1

Okla., Enid—Western Airways, Inc., chartered; L. E. Gray, Cecil W. Norman; operate aviation school, manufacture and sell airplanes and transport passengers and freight by air.

Tex., Eagle Pass—North American Lloyd Aircraft Corp., Marshall H. Hartman, Pres., Suite 508, 535 Fifth Ave., New York, considering city as site for airport. (See Dallas, 8-15.)

Tex., Fort Worth—Dept. of Commerce, G. S. Miller, Engr., opened office in helium plant from which to supervise installation airways lighting beacons, here to Mexican border at Brownsville; plan installing radio beacons every 10 mi. and emergency landing field every 30 mi.

Tex., McAllen—City plans acquiring 140 to 150 acre tract for airport.

Tex., McAllen—City Comms. voted to call bond election to vote \$30,000 bonds for acquiring 150 acres for municipal airport.

Tex., San Angelo—Bd. of City Development, H. P. Nichols, Chmn. Aviation Div., expend \$10,000 for improving municipal airport, including complete night lighting equipment, lighted wind direction indicators, etc.

Tex., Wichita Falls—Wichita Falls Air Transport Co., Fulcher Armstrong, Pres., constructing hangar, 60x60 ft., and terminal building, 18x34 ft., at Staley Field.

Va., North Emporia—E. G. Temple, Jr., authorized by State Corporation Comm. to establish airport.

Va., Port Richmond—City applied to State Corporation Comm. for permission to establish airport.

Va., Richmond—Common Council adopted resolution favoring establishing airport suitable for landing of Zeppelin-type aircraft.

## Bridges, Culverts and Viaducts

### Proposed Construction

Alabama—State Highway Comm., Montgomery will build bridge. See Roads, Streets and Paving—Proposed Construction.

Arkansas—State Highway Comm., Little Rock, receives bids Sept. 18 for construction Marsh Rainbow Arch bridge over White River, reinforce conc. girder approaches, including viaduct over Missouri Pacific Railroad Co. tracks at Cotter on Highway No. 12, Marion-Baxter Counties. Dwight H. Blackwood, Chmn.

Maryland—State Roads Comm., Baltimore, receives bids Sept. 16 for bridge superstructure for triple span steel girder bridge over tracks of Baltimore & Ohio Railroad Co. on road Deer Park to Kitzmiller at Wilson in Garrett County.

Maryland—State Roads Comm., Baltimore, receives bids Oct. 1 for reinforced conc. pile girder bridge, 1460 long, 20 ft. clear roadway and one 5 ft. clear sidewalk over Chester River at Maple Ave., Chestertown, Kent County to point opposite in Queen Anne's County. 8-8

Md., West Annapolis—Anne Arundel County Comms., Annapolis, receive bids Sept. 17 for 2 creosoted timber pile and combination steel I-beam deck bridges, 200 and 520 ft. long; J. S. Bromley, County Roads Engr.

Missouri—State Highway Comm., Jefferson City, receives bids Sept. 17 for 5 bridges. See Roads, Streets and Paving—Proposed Construction.

Mo., Fisk—Butler County Comms. are expected to let contract for new bridge on Highway No. 60 next month.

Mo., St. Louis—State Public Service Comm., Jefferson City, granted authority to Wabash Railroad Co. and City of St. Louis to build new bridge at intersection of Kingshighway northwest; estimated cost \$54,000; city to pay \$21,925.

Texas—State Highway Comm., Austin. See Roads, Streets and Paving—Proposed Construction.

Tex., Fort Worth—City, O. E. Carr, Mgr., and Texas Pacific Ry. Co., E. F. Mitchell, Ch. Engr., Dallas, plan starting construction in about 30 days of Tennessee Ave. underpass; receive bids in about 10 days on grade separation; two 20-ft. roadways; D. L. Lewis, City Engr.

Tex., Houston—City, W. E. Monteith, Mayor, plans receiving bids for construction Milan-White Oak Drive and the Houston Ave. underpass; approximate cost \$300,000; city and Southern Pacific sharing equally expenses.

Tex., Rockport—Contract for causeway across Copany Bay will be let in October; also Lavaca Bay Causeway.

Tex., San Antonio—City, C. M. Chambers, Mayor, receive bids Sept. 29 for construction Travis St. bridge; I. Ewig, City Engr.

Virginia—State Highway Comm., Richmond, receives bids for 2 bridges. See Roads, Streets and Paving—Proposed Construction.

Virginia—State Highway Comm., H. G. Shirley, Chmn., Richmond, received low bids for 2 bridges. See Roads, Streets and Paving—Proposed Construction.

Va.-Tenn., Bristol—City plans reconstructing Fairview St. bridge. Address City Mgr.

W. Va., Wheeling—Ohio County Bd. Comms. receive bids soon for viaduct over Caldwell's run; Walter S. Stegeman, Engr.

W. Va., Wheeling—See Roads, Streets and Paving—Proposed Construction.

### Contracts Awarded

Tennessee—Dept. of Highway and Public Works, R. H. Baker, Comms. let contracts for 11 bridges. See Roads, Streets and Paving—Contracts Awarded.

Tex., Fort Worth—City let contract for East Fourth St., underpass of Rock Island tracks and approaches to E. L. Martin, North

Texas Bldg., Dallas, at \$154,701; Rock Island Railroad to pay 37½% of cost and city balance.

Tex., Miles—Contract has been let to Crouch & Nowling for bridge work on Highway No. 30, Ballinger to Tom Green County line.

### Canning and Packing Plants

Fla., Howey-in-the-Hills — Vaughn-Griffin Packing Co. incorporated; C. A. Vaughn, C. V. Griffin.

Fla., Tampa—Company affiliated with Hills Brothers Canning Co., 110 Washington St., New York, reported, leased building, Gilchrist Ave. and Fig St.; establish plant for canning grapefruit products, install machinery to extract by-products from citrus rind, residue to be used for fertilizer; capacity 1500 cases canned fruit daily.

Fla., Winter Haven—Bordo Products Co., let contract to Arch Engineering & Construction Co., 133 N. Main St., Orlando, for welded steel arch building for grapefruit canning plant; 90x180 ft.; covered with copper bearing steel, side and end walls of masonry; conc. floor; cost \$20,000.

S. C., Estill—Hampton County Vegetable Growers incorporated; Dr. E. H. Wyman, S. R. Stoney.

S. C., Johnston—W. B. Yonce, J. M. Edwards interested in canning plant.

Tex., McAllen—McAllen Citrus Assn., N. F. Donelson, Sec., erect \$40,000 citrus packing plant on McColl Road; 1 story; arched steel frame construction; install modern citrus packing machinery. 8-8

### Clayworking Plants

Mo., Mexico—Mexican Refractories Co., J. B. Arthur, Pres., reported, has preliminary plans for manufacture fire brick and refractory shapes; cost \$50,000. 6-27

Tex., Arlington—R. D. Harry, Dallas, reported, interested in constructing plant, daily capacity 20,000 face brick.

### Coal Mines and Coke Ovens

Ala., Aldrich—Montevallo Coal Mining Co., Darius Thoma, American Tr. Bldg., Birmingham, expending \$50,000 developing haulage system, to be completed before end of 1929; install 200-kw. synchronized generator set, 2 150-h. p. underground hoists with complete 2200-volt control; 6000 ft. 1/0 armored, 2200-volt transmission cable; electrical equipment purchased from General Electric Co., Schenectady, N. Y., and cable from Okonite-Candler Cable Co., Passaic, N. J., through Matthews Electric Supply Co., Birmingham representatives; plan building 25 miners' dwellings, starting in fall with own forces.

W. Va., Beckley — Piney-River Coal Co., capital \$50,000, incorporated; B. E. Carter, J. W. Smith.

W. Va., East Lynn—Katona Mining Co., Sam W. Perry, Pres., 1241 Charleston Ave., Huntington, newly organized, proposed developing extensive coal properties in East Lynn Dist., Wayne County; company holds approx. 22,000 acres, estimated to produce 14,000,000 tons; construct 1½ mi. standard gauge railway, tipples and power house; begin operations about Jan. 1, 1930.

### Cotton Compresses and Gins

Ala., Leeds—Thos. H. Frost, Birmingham, reported, interested in erecting \$50,000 cotton reclamation plant.

N. C., Lawndale—Delight Gin Co., capital \$25,000, incorporated; Paul Whisnant, L. C. Palmer.

Okla., Tulsa—Wentz Gin Co., incorporated; T. H. Pate, 2431 E. 14th St.

Okla., Oklahoma City—Farmers Union Gin Co., capital \$20,000, incorporated; W. B. Frank, 1009 N. Eastern Ave.

Tex., Bonham—Bonham Compress & Warehouse Co., increased capital, \$29,000 to \$38,000.

Tex., Bryan—Bryan Press Co. reorganized as Bryan Valley Cotton Compress & Warehouse Co.; increased capital, \$45,000 to \$135,000; completing warehouse.

Tex., Longworth—Longworth Gin Co., incorporated; E. T. Bramblett, E. H. Spencer.

Tex., Lubbock—South Gin Co., capital \$12,000, incorporated; J. T. South, B. B. Baro.

Tex., Tahoka—Farmers Independent Gin Co., incorporated; A. E. Goerke, R. C. Holmes.

Tex., Waco—Moser Gin Co., capital \$15,500, incorporated, T. F. Moser, 29th and Trice Ave.

### Cottonseed-Oil Mills

Ark., Camden—Camden Cotton Oil Co., advises Buckeye Cotton Oil Co., Gwynne Bldg., Cincinnati, O., acquired machinery and is moving it to various plants owned by company.

Tenn., Memphis—Buckeye Cotton Oil Co., Gwynne Bldg., Cincinnati, O., reported, will soon award contract for erecting additional unit; 3 story; 400x85 ft.; rein. conc.; brick walls; tile partitions; c. i. columns; steel sash and doors; tar and gravel roof; hardwood and cement floors; sprinkler system; Robert & Co., Engrs., Bona Allen Bldg., Atlanta, Ga. 8-29

### Drainage, Dredging and Irrigation

Fla., Sanford—Bd. of County Comms. of Seminole County opens bids Oct. 7 for additional drainage in Black Hammock Drainage Dist., including excavation, clearing 26 acres of right-of-way and constructing wooden bridge and conc. spillway.

Fla., St. Petersburg—U. S. Engr. Office, Jacksonville, has low bid from Waldeck-Deal Dredging Co., P. O. Box 1448, Miami, for dredging channel through shoal at Point Pinellas lighted beacon near here, 177,000 cu. yd., at \$93,810. 8-1

Louisiana—Bd. of State Engrs., New Orleans Court Bldg., New Orleans, La., opens bids Sept. 14 for drainage borrow pits on Atchafalaya River, in Red River, Atchafalaya and Bayou Boeuf Levee Dist., right bank, St. Landry Parish, including drain ditch just below Atkins bayou crevasse levee, approx. 1097 lin. ft. long; approx. 6200 cu. yd. 8-1

La., Opelousas—Bd. of Comms. of St. Landry Gravity Drainage Dist. No. 14 of St. Landry Parish opens bids Oct. 1 for constructing drainage canals, requiring removal of approx. 85,000 cu. yd. earth; Albert Tate, Engr., Opelousas.

La., Shreveport—Bd. of Comms. of Caddo Levee Dist. let contract to H. B. Hornsby, Bossier City, at \$20,441.80, for drainage projects; let contract to Ernest L. McCain and R. A. McCain, 2216 Highland Ave., Shreveport, at \$20,821.25, for 7 cleaning projects; all bids rejected for 5 years maintenance projects, work to be done under supervision of Levee Bd. 8-22

Md., Baltimore—Bd. of Awards let contract to Arundel Corp., Pier 2, Pratt St., at \$49,056, for maintenance dredging in Baltimore harbor for Dept. of Public Works, Bureau of Harbors. 8-22

North Carolina—Ch. of Engrs., Washington, D. C., approved specifications for dredging Intra-coastal waterway between Wrightsville and Sea Breeze; U. S. Engr. Office, Wilmington, soon receive bids.

Tex., Harlingen—McLeod-Hood Land Co., let contract to Agar & Gentry, San Benito, for irrigation system in development on banks of Arroyo Colorado.

### Electric Light and Power.

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Florence—City, W. S. Eastep, Mayor, considering purchase of electric distribution system.

Arkansas—Arkansas Power & Light Co., Pine Bluff, Ark., reported, install 2 complete units, each consisting of generator and turbine and other accessories, each generating more than 4000 kw. to Rammel dam; work by Phoenix Utility Co., 2 Rector St., New York.

Ark., Russellville—City will vote about Oct. 15 on organizing improvement district to erect and operate power plant. 8-22

Ark., Siloam Springs—Southwestern Gas & Electric Co., Marshall St., Shreveport, La., reported, construct 33,000-volt transmission line from subdivision of company at Siloam Springs to substation at Forest Park.

Fla., Miami—City install white way, Brickell Ave.

Fla., Naples—Florida Power & Light Co., Miami, reported, acquired power and ice plant of West Coast Utilities Corp.; plans rebuilding distribution system in city and constructing line to Bonita Springs.

Fla., South Jacksonville—Bryson Paving Co., N. 14th St., Jacksonville, reported, low

bidder at \$32,507 for public utilities building; Harlan E. Wykoff, Archt., City Hall. 8-22

Ga., Cedartown—Georgia Power Co., Atlanta, reported, acquired electric light plant and distribution franchise.

Ga., Cordele—City votes Sept. 18 on bonds for electric light improvements. See Financial News Columns.

Louisiana—Louisiana Power & Light Co., Algiers, acquired light and water plants at Donaldson and Kenner and light plant at Waterproof; constructing 111 mi. 110 kv. line, Roseland to New Orleans, and 8 mi. 110 kv. line, Minden to Shreveport.

La., New Orleans—New Orleans Public Service, Inc., installing white way system on Canal St.; plans 108 lighting units and standards designed by General Electric Co., Schenectady, N. Y.; standards furnished by Union Metal Mfg. Co., 1432 Maple Ave., Canton, Ohio; also install 50 similar standards on Rampart St. 5-16

Md., Woodbine — Potomac Edison Co., Hagerstown, and Consolidated Gas, Electric Light & Power Co., Lexington Bldg., Baltimore, acquired Woodbine Light & Power Co., serving Howard & Carroll counties; Consolidated Gas Co., extending lines from Cooksville.

Miss., Greenville — Mississippi Power & Light Co., Jackson, advises do not contemplate extensive work in rebuilding distribution system; several sections will be rebuilt, re-route several primary circuits; use creosoted yellow pine poles. 8-29

Miss., Sardis—Mississippi Power and Light Co., Jackson, reported, rebuild light and power system.

Mo., Columbia—Simon Const. Co., Columbia, reported, has contract for power plant improvements.

Mo., Oran—City ratified granting to Missouri Utilities Co., controlled by Community Power & Light Co., Planters Bldg., St. Louis, 20 yr. lighting franchise, also 10 yr. contract for street lighting.

Mo., St. Louis—City will probably vote on additional bonds to complete street lighting system; cost about \$4,000,000.

N. C., Catawba—Southern Public Utilities Co., 420 S. Church St., Charlotte, reported, acquired electric distribution systems at Catawba and Valdeese.

N. C., Ellenboro—City ratified sale of electric system, transmission and distribution system to Southern Public Utilities Co., 420 S. Church St., Charlotte. 8-1

N. C., Kinston—City, reported, plans \$100,000 improvement to power plant.

Okla., Renfrow—Town voted \$6000 bonds for constructing electric light system.

S. C., Newberry—Duke Power Co., Charlotte, N. C., reported, purchasing right of way between Newberry and power house at Saluda dam; will connect up with Duke Power Co.'s system at Newberry.

Tenn., Chilhowee—Knoxville Power Co., subsidiary Aluminum Company of America, Pittsburgh, Pa., reported, begin work soon on fourth unit of hydro-electric development on Little Tennessee River; conc. structure of gravity type, 1500 ft. long, 63 ft. high, about 35 miles south of Knoxville; headwaters will reach Calderwood power house, 10 miles upstream; flowover controlled by 12 Stoney gates, 25 ft. wide, 40 ft. high; power house will contain 2 reaction-type turbines, 18,000 h.p. each, direct connected to 3 phase, 60-cycle generators; completion of dam in 1931 when work will begin on Nantahala dam, Nantahala, N. C. 8-5

Tex., Farmersville — City plans erecting light plant; purchased equipment from Fairbanks, Morse & Co., 900 S. Wabash Ave., Chicago, Ill.

Tex., Port Arthur — Gulf States Utilities Co., 362 Liberty St., Beaumont, construct \$38,000 steel substation on Lakeshore Drive.

Tex., Temple—Chamber of Commerce, reported, interested in installation white way.

Tex., Whitesboro—Texas-Louisiana Power Co., Fort Worth, reported, negotiating for power, sewerage and water plants; will construct generating station to supply city and surrounding communities; also \$10,000 office and store.

Va., Richmond—Craig Hydro-Electric Corp., capital \$50,000, incorporated; I. J. Marcuse, Pres., 2213 Monument Ave.; construct hydro-electric plants.

Va., South Boston—D. W. Lee and Dr. C. D. Barkdale, reported, interested in extending electric transmission line here to Pace, serving Turbeville, Alton, Mt. Carmel and Elmo; work by Virginia Public Service Co., Charlottesville.

W. Va., Rich Creek—Rich Creek-Peters-town Power Co. extending line to Lindsie.



## Fertilizer Plants

Ark., Russellville—Home Fertilizer Co., Home Ins. Bldg., Little Rock, reported, construct fertilizer plant, capacity 6000 tons annually; citizens to subscribe \$2,500 stock. 8-15

N. C., Millbrook—Beddingfield Brothers, capital \$150,000, chartered; A. E. and C. A. Beddingfield.

S. C., Orangeburg—Orangeburg Guano Co., P. M. Smoak, Pres., improving building, installing additional machinery for fertilizer plant; capacity 250 tons daily.

## Flour, Feed and Meal Mills

N. C., Charlotte—Interstate Milling Co., W. Tenth St., reported, let contract to Thomason & Bartholomew, Piedmont Bldg., for \$75,000 addition to feedstuff plant.

Tenn., Johnson City—Model Milling Co., George L. Carter, reported, plans erecting \$300,000 grain elevator and feed manufacturing plant.

Tex., Houston—A. F. Miller Co. incorporated; A. F. Miller, 1715 Marshall St.

## Foundry and Machine Plants

Ala., Birmingham—American Cast Iron Pipe Co., 2930 N. 16th St., has permit for \$21,000 dust building and \$19,000 core head building at plant, 16th St. and 29th Ave. N.

La., New Orleans—Service Foundry, Inc., capital \$100,000, chartered; Morris J. Rabe, 3923 Orleans St.

Mo., Maplewood—Sunnen Products Co., 6417 Dale St., let contract to Al L. Sketters, Mexico, Mo., for \$65,000 plant to manufacture valve grinders, valve lifters, etc.; Ben C. Elliot, Archt., Morris Bldg. Mexico, Mo. 8-8

Mo., St. Louis—Valley Equipment Co., capital \$50,000, incorporated; Ruth G. Jones, 4818 Hammett St.

N. C., Greensboro—W. P. Christian, Inc., capital \$100,000, chartered; W. P. Christian, 718 Percy St.; operate electric motor repair shop.

Okla., Oklahoma City—Spengler Tool Co., capital \$50,000, incorporated; A. F. Spengler, Franklin Bldg.; oil field tools.

Okla., Tulsa—Clamp Tank & Specialty Co., capital \$100,000, incorporated; A. B. Patterson, care Patterson Steel Co.; specialties for oil field tanks.

S. C., Greenville—Company formed to manufacture loom appliance invented by Dr. B. D. Hahn, Pastor, Pendleton Street Baptist Church.

Tenn., Chattanooga—Standard-Coosa-Thatcher Co. has machine shop under construction, costing, including equipment, approx. \$50,000; take care of repair work of 3 plants.

Tex., San Antonio—Texas Machine & Foundry Co., 636 Rigby St., let contract to Brandt Iron Works, Colorado and Lombardo St., at approx. \$11,000, for 2 machine shops, 1407-11 Harper St.; steel and galv. iron.

## Gas and Oil Enterprises

Ark., Clarksville—Arkansas Western Gas Co. securing right of way for gas line between gas field here and Fayetteville. 8-9

Ark., Fayetteville—Gulf Refining Co., Gulf Bldg., Houston, reported, construct storage tanks and warehouse.

Ark., Fayetteville—Texas Co., 17 Battery Place, New York, reported, construct storage tanks and warehouse.

Ark., Paragould—J. H. Hawthorne, Jonesboro, representing outside interests, reported, negotiating for gas franchise.

Fla., Sanford—See Drainage, Dredging and Irrigation.

Ga., Brunswick—Shell Eastern Petroleum Products Corp., A. F. Carter, Pres., 141 Milk St., Boston, Mass., reported, construct gas and oil depot on river front between F and G Sts.; plans include warehouse, earth dike, garage, storage tanks, etc.

Ky., Ludlow—Commodore Oil & Gas Co., capital \$150,000, incorporated; E. C. Bernheld, Frank Lemker.

La., Monroe—Palmer Corp. of Louisiana, subsidiary of Louisiana Gas & Fuel Co., 1100 City Bank Bldg., Shreveport, reported, received low bid at \$15,000 from Werner Co., 516 Edwards St., Shreveport, for warehouse and garage.

Miss., Columbus—Mississippi Service Co., care W. W. Winters, Mobile, Ala., reported, plans \$100,000 gas line.

N. C., Hendersonville—G. H. Bishop, 915 Magnolia Ave., Charlotte, representing Washington and Philadelphia capitalists, reported, plans \$400,000 gas manufacturing and distributing plant.

N. C., Raleigh—Red C Oil Co., subsidiary of Atlantic Refining Co., Atlantic Bldg., Philadelphia, Pa., reported, acquired Dixie Oil & Fuel Co., College Crest.

N. C., Shelby—City, reported negotiating with Philadelphia interests for gas plant; may issue bonds.

Okla., Dacoma—Farmers Equity Oil Co., incorporated; G. L. Glasgow, C. F. Stoner.

Okla., Holdenville—Pryor Oil Co., capital \$20,000, incorporated; J. W. Cotter, R. L. Bussey.

Okla., Lovell—J. S. Cosden, Inc., Fort Worth Natl. Bank Bldg., Fort Worth, Tex., reported, construct oil absorption plant near here; capacity 50,000 gal. daily.

Okla., Oklahoma City—Equity Co-Operative Royalty Co., capital \$50,000, incorporated; R. E. Buckles, C. B. Barham.

Texas—United Gas Co., Houston, under active management of W. L. Moody, 3rd. 2028 D St., Galveston, reported, plans laying gas lines through Louisiana and Mississippi; plans serving gas fields in coastal country.

Tex., Agua Dulce—Agua Dulce Oil & Gas Co., reported, construct 12-in. high pressure line with 55,000,000 ft. capacity from gas fields in Agua Dulce in Western Neches County to Orange Grove in Eastern Jim Wells County, 15 miles; connect at Orange Grove with main line of Magnolia Gas Co. of Dallas.

Tex., Amarillo—City, Ernest Thompson, Mayor, negotiating with company for 25 yr. contract to furnish gas to city at city limits.

Tex., El Paso—Rio Grande Oil Co., 525 E. Seventh St., reported, considering erection \$1,000,000 refinery; acquired site adjoining present refinery at Twelfth and Tornillo.

Tex., Beaumont—Humble Oil and Refining Co., Humble Bldg., Houston, reported, construct 4 overhead horizontal sheet iron tanks at Pine and Ash Sts.

Tex., McCamey—Southern Union Gas Co., Dallas, reported, granted gas franchise.

Tex., San Antonio—Independent Oil & Gas Co., Ft. Worth Natl. Bank Bldg., reported, acquired interest of Rowan & Tong in Pecos County gas fields.

Tex., San Antonio—All-States Petroleum Co., Inc., capital \$15,000, incorporated; J. M. Watson, 117 E. Summit St.

Tex., Smithville—Southwest Gas Co., Democratic Bldg., Houston, reported, soon begin work on gas line, Schulenburg via LaGrange; granted franchise. 8-1

Tex., Woodsboro—Carpenter Drilling & Development Co., capital \$20,000, incorporated; F. H. and H. D. Carpenter.

Va., Martinsville—Harrison Oil Co., Inc., changed name to Virginia-Carolina Gas & Oil Co., Inc.; increased capital \$25,000 to \$200,000.

W. Va., Ronceverte—C. H. Thompson, Wm. B. Blake, Jr., and associates applied for 50 yr. gas franchise.

W. Va., Welch—Welch Gas Co., W. F. Shaw, Pres., reported, plans natural gas system.

## Ice and Cold-Storage Plants

Fla., Frostproof—L. Maxey, Inc., let contract to Simmons & Gifford for \$25,000 addition to fruit pre-cooling plant, to be complete by Oct. 15; 10-car capacity.

Fla., Lake Wales—Southern Securities Utility Co., J. W. Ross, Pres., Graham Bldg., Jacksonville, erecting 40-ton ice plant, West Lake Wales; conc., brick, steel; steel contract let to Aetna Steel Co., Jacksonville; J. P. Morris-DeLaverne, Inc., Richmond and Norris Sts., Philadelphia, Pa., has contract for oil engines and refrigerating equipment. 9-5

Ga., Rockmart—Simpson & Morgan Ice & Coal Co., erect 15-ton ice plant, S. Marble and Maple St.; brick, tar and gravel roof, electrically operated.

Miss., McComb—Middle West Utilities, 72 W. Adams St., Chicago, Ill., acquired ice plant of Southern United Ice Co.; Eugene Loch to continue as manager.

Tex., San Antonio—Scobey Fireproof Storage Co., F. E. Scobey, Pres., 311-15 N. Media St., having plans drawn and soon be-

gin erecting cold-storage warehouse, 300 block N. Medina St.; Engineering Service Corp., Engr., Post Dispatch Bldg., Houston. 6-20

## Iron and Steel Plants

Tenn., Memphis—Youngstown Sheet & Tube Co., Youngstown, Ohio, reported, establish water and rail terminal; completed arrangements with American Barge Line for river transportation, and storage facilities in plant, foot Keel Ave., known as Wolf River Terminal & Warehouse Co., with dockage facilities of 1,000 ft.; office erected and foundations laid for large warehouse; J. T. Rothchild to be local manager.

## Land Development

Ala., Selma—Town and Country Club, M. L. Woods, Chrmn., develop additional 9 hole golf course.

Ark., El Dorado—Southern Development Co. incorporated; R. E. Meiner.

Ark., Fort Smith—Lewis Tilles Children's Park, Henry Armstrong, plans improvements to park; construct wading pool, tennis courts, etc.

Florida—John A. Snively, Winter Haven, reported, director of New York syndicate planning investment of \$10,000,000 in orange groves in Orange and Polk counties.

Fla., Hollywood—Hollywood Beach Holding Co., incorporated; C. M. Williams, C. R. Gilliland.

Fla., Miami—Valley Land Co. incorporated; R. C. Gay, 31 N. E. First Ave.

Fla., New Port Richey—Port Richey Co., capital \$100,000, incorporated; M. B. Sims, A. M. Nunn.

Fla., New Port Richey—Brookville Hammock Land Co., capital \$100,000, incorporated; G. R. Sims.

Fla., New Port Richey—Pinellas Groves, Inc., capital \$100,000, chartered; M. B. Sims, A. M. Nunn.

Fla., Orlando—Orlando Realty Co. incorporated; C. J. Cavanaugh, 1027 Edgewater Dr.

Fla., Orlando—John-Lee Groves, Inc., chartered; S. A. Pence, 518 Trenton St.

Fla., Tallahassee—Tallahassee Country Club Estates, Inc., chartered; R. H. Gibson, Exchange Bank Bldg.

Ga., Augusta—A. S. Bourne, 817 Fifth Ave., New York, develop winter estate, let contract to Carolina Contracting Co., 1112½ Taylor St., Columbia, S. C., and Fruitland Nurseries, Washington Rd., Augusta, for grading, asphalt macadam driveway, water system, lawn development, planting etc.; E. S. Draper, 1516 E. Fourth St., Charlotte, N. C., Landscape Archt. and Engr.; Willis Irvin, Archt., S. F. C. Bldg., Augusta.

Ga., Savannah—Atlantic Realty Co., capital \$15,000, incorporated; Meyer L. Cherkas, Realty Bldg.

Ga., Savannah—J. Bryon Glover, 11 E. 34th St., reported, acquired 10,000 acres near Delta Plantation, 25 miles from Savannah.

La., Alexandria—Cane River Valley, Inc., capital \$180,000, chartered; Samuel Caspari, Natchitoches; John H. McSween, Alexandria.

La., New Orleans—Palmisand Co., Inc., capital \$100,000, incorporated; D. A. Palmisand, 3614 Napoleon Ave.

La., New Orleans—Henderson Point Land Co., Inc., capital \$100,000, incorporated; C. F. Borah, 826 Whitney Bldg.

Md., Baltimore—Moreland Park Cemetery Co., 5402 Harford Ave., Jos. F. Moreland, Pres., develop 60 acres for cemetery; construct streets, hot houses and ornamental iron gates; expend \$50,000. See Want Section—Miscellaneous.

Md., Baltimore—Reliance General Corp., First Natl. Bank Bldg., incorporated; Louis J. Freda.

Md., Baltimore—Atlantic Realty Co., 421 Title Bldg., incorporated; Wm. Edgar Byrd, 16 Park Ave.

Md., Hagerstown—Frederick Blaise, Winchester, Va., acquired 4 orchards, totaling 1000 acres.

Mo., Kansas City—Cambridge Realty Co. incorporated; C. L. Bliss, Huntzinger Bldg.

Mo., St. Louis—Fixcount Realty Co. incorporated; Simon and Louis Fixman, 5819 Wabada St.

Mo., St. Louis—C. L. Fisher, 3528 S. Spring St., reported, acquired and will landscape Sylvester Clark estate of 320 acres in St. Francois County.

Mo., St. Louis — Brinkmann Realty Co., 4910 Gravis St., developing subdivision in Bates St. Terrace; let contract to Creech Construction Co., for curbs, paved streets and alleys.

N. C., Aberdeen — Knollwood Construction Co., capital \$15,000, incorporated; J. Talbot Johnson, Della Williamson.

N. C., Charlotte — J. Arthur Henderson & Co., 2 E. Fourth St., incorporated; J. Arthur Henderson.

N. C., Marion — Lake Tahoma Corp., J. Q. Gilkey, of North Carolina Bd. of Conservation, Raleigh; Alfred S. Barnard, Medical Bldg., Asheville; D. W. Adams, Old Fort; and associates; develop 3500 acres near Mount Mitchell; plans completed for \$1,000,000 expenditure; build golf course; beaches; residential section, etc. 8-20

N. C., Morehead City — Chalk & Gibbs, Inc., capital \$20,000, chartered; S. A. Chalk, H. S. Gibbs.

N. C., Raleigh — Raleigh Holding Co., incorporated; John W. Hinsdale, Lawyers Bldg.

N. C., Wallace — Wallace Industrial Corp., capital \$30,000, incorporated; R. E. D. Dees, Jacob Huritz.

S. C., Aiken — Kenneth B. Schley, 100 Broadway, New York, develop winter estate; install driveways, brick gutters, walks and terraces; irrigation system with Enell sprinkler heads; all contracts let to Harkey Bros. Nursery, Landscape Contrs., Sharon Rd., Charlotte, N. C.; W. H. Weatherford, Plumbing Contr., Aiken, S. C.; E. S. Draper, Landscape Archt. and Engr., 1516 E. Fourth St., Charlotte, N. C.; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta, Ga.

Tenn., Chattanooga — Re-organization of Boyd & Watkins, Inc., 1020 Provident Bldg., A. Pollack, Pres.; capital \$50,000; design, construct, operate Bob-o-Link and Tom Thumb miniature golf course. 8-22

Tenn., Memphis — H. Dlugach & Co., 149 Madison Ave., develop 20 acre subdivision Bollentine & University Place; install sidewalks, curbs and gutters; water, gas, electricity and oil streets; expend \$40,000. 9-5

Tex., Austin — City plans development 2 additional playgrounds; install equipment; expend \$10,000.

Tex., Bandera — J. C. Gilchrist, Del Rio, acquired 1900 acres at head of Medina River.

Tex., Cuero — W. S. DuBose acquired 1000 acres on DeWitt Gonzales County line.

Tex., El Paso — C. W. Guthrie developing Sunrise Acres, 640 acre subdivision on Newman Road; 92 acres will be used for streets; install water, etc.

Tex., Houston — Colvin Corp., Democratic Bldg., acquired 10 acres on south side of Buffalo Bayou.

Tex., Houston — Gethsemane Cemetery Assn., Rev. Monsignor George T. Walsh, Pres., develop 50 acres on Market St., road near Greens Bayou.

Tex., Houston — A. C. Bayless, Post Dispatch Bldg., acquired 16 acres on north side of Buffalo Bayou.

Tex., Houston — J. W. Garrow, Herrmann Bldg., and W. S. Hunt, Esperson Bldg., acquired 153 acres north of Bellaire townsite.

Tex., San Angelo — A. A. Belding developing 1500 acre park in Slaughter Bend, Devils River; erect clubhouse, tennis courts, airplane landing field, low water bridge, etc.

Va., Clarendon — Virmar Land & Investment Co., incorporated; Oden O. van den Berg, Washington, D. C.

Va., Norfolk — City Plane Corp., capital \$100,000, incorporated; C. A. Neff.

Va., Winchester — Ray Robinson and Fred Thwaite acquired 200 acres apple orchard.

W. Va., Bluefield — Rodefer-Bradley Co., incorporated; F. B. Rodefer, J. K. Sites.

W. Va., Kenova — Women's Club interested in development of park at Thirteenth and Chestnut Sts.; W. S. Tabor, City Engr., in charge.

W. Va., Parkersburg — Keystone Realty Co., incorporated; G. W. Wayman, J. F. Reich.

### Lumber Enterprises

Ala., Good Water — Singleton Lumber Co., acquired concentration yard and planing mill of McLeod Lumber Co.; probably improve; Tod Singleton to remain in charge.

Ark., Pine Bluff — Standard Lumber Co., Harry E. Miller, 407 E. Fifth St., let contract to J. L. Minor, 1816 Cedar Ave., for \$15,000 warehouse, E. Fifth Ave.; 3 stories, steel frame covered with galvanized iron, 102x107 ft., 30,000 sq. ft. floor space.

Fla., Tallahassee — Wakulla Lumber Co., Inc., chartered; J. A. Cheek, Magnolia Hts.

Ga., Columbus — Williams Lumber Co., Inc., C. F. Williams, Pres. and Mgr., 13th St., erecting \$15,000 lumber and building supply plant with own forces; 70x125 ft. brick, steel trusses, conc. and wood floors, built-up roof; footings poured;

Ga., Quitman — H. C. Lumpkin, Inc., formed by H. C. Lumpkin to do general wholesale lumber business; specialize in railroad stocks.

Ky., Nicholasville — Gulf Red Cedar Corp., Lebanon, Tenn., leased old Roy Lumber Co. lot, junction of L. & N. and Southern R. R.; probably cut cedar and haul to mill lot here.

Ky., Path Fort — Bringardner Lumber Co., increasing capital stock, \$250,000 to \$500,000.

La., Pineville — Pineville Lumber Co., Inc., S. J. Dauterive, Pres. and Mgr., started erecting sawmill, planing mill and dry kiln; frame; 20,000 ft. daily capacity; practically all equipment purchased. 9-5

La., Sunset — Sunset Farmers Lumber Co., capital \$30,000, chartered; A. L. Brinkhaus, Geo. J. Boudreau.

Miss., DeKalb — Elliott Cobb Lumber Co., Meridian, acquired planing mill of W. M. Stallworth Lumber Co.; to be used in dressing output of 5 mills.

Mo., St. Louis — George R. Raithel Mfg. Co., capital \$100,000, incorporated; George E. Raithel, 2301 Broadway.

Tenn., Onieda — Tennessee Lumber & Coal Co., reported, increased capital stock to \$1,000,000; improve plant.

Tex., Ceredo — Tri-State Creosoting Terminal Corp., capital \$150,000, incorporated; Harry S. Stout, 1302 Willow Glenn Ave., Huntington; W. T. Lovis, Kenova; deal in timber and other wood products.

### Mining

Ark., White Cliffs — Arkansas Lime Products Co. installing rock crusher made by Ocala Iron Works, Ocala, Fla.

Fla., Marianna — Florida Basic Rock Co. installing semi-steel framed crusher, 20 car capacity, made by Ocala Iron Works, Ocala, Fla.

Mo., Kansas City — Radimac Co., 1200 E. Armour St., incorporated; Isaac C. Soule, 3000 E. 27th St.; mining, etc.

Mo., Kansas City — Mica Rock Asphalt Mining Co. incorporated; D. V. Snowgoose, Arcadia, Kan.

Okla., Miami — Eleventh Hour Mining Co., capital \$50,000, incorporated; Clyde Morsey, Miami; H. O. Neff, Joplin, Mo.

Tenn., Jefferson City — Universal Exploration Co., subsidiary United States Steel Corp., 71 Broadway, New York, has concentrating plant under construction consisting of crushing plant with 20-in. gyratory crusher and 24-ft. Symon cones; install interchange conveying system between crushing plant and central screening plant; and from screening plant ore will go to mill consisting of steel ore bins for crushed ore, 6x12 ft. rod mills and flotation plant; Traylor Engineering Co. awarded contract for gyratory crusher, feeder and 2 rod mills; flotation plant to be equipped largely with mineral separation flotation cells and Dorr Co. equipment. 5-30

Va., Crimora — Old Dominion Manganese Corp., W. Washabaugh, Managing Engr., installing machinery and preparing to mine large manganese deposit. 4-18

### Miscellaneous Construction

Ala., Birmingham — Engineering Comn. let contract to Walter T. Weaver, 508 McMillan Ave., for \$70,000 retaining wall along north side of L. & N. tracks from about 14th to 18th St.

Ark., Hot Springs — H. C. Couch, Pres., Arkansas Light & Power Co., Little Rock, announced will construct \$40,000 to \$50,000 fish hatchery on Lake Hamilton.

Fla., Fort Pierce — City will apply to War Dept., Washington, D. C., for permission to fill in Indian River, foot of Ave. A. for recreational purposes, extending into river approx. 400 ft., having surface width of about 70 ft.

Fla., Jacksonville — Huckins Yacht Corp., 600 E. Fourth St., constructing marine railway and yacht service station; J. E. Iwanoski, Gen. Contr., Durkee Bldg. 9-5

Fla., Miami Beach — U. S. Engr. Office, Jacksonville, Fla., probably let contract to Ebsary Foundation Co., 427 N. W. Second St., Miami, for constructing bulkhead, wharf, breakwaters, and fill at U. S. government reservation, at \$21,480.43. 8-22

Fla., St. Petersburg — War Dept. approved plans by Bee Line Ferry, Inc., Point Pinellas, for permission to construct solid fill and open pile piers for ferry landing in Tampa Bay at Piney Point in Manatee County and at Pinellas Point in Pinellas County, calling for solid fill extending south 3000 ft. from Pinellas Point, followed by open pile pier 3300 ft. long; solid fill 2000 ft. long on Piney Point side, followed by pile pier 1500 ft.; application of Tampa Bay Causeway & Transport Co., Tallahassee, for permission to construct piers along similar lines in same locality, under consideration at office of Ch. of Engrs. 5-16 and 6-13

Louisiana — Bd. of State Engrs., New Orleans Court Bldg., opens bids Sept. 16 for constructing following levee work on Red River: Gold Point, right descending bank, Caddo Parish, approx. 764 ft., 14,400 cu. yd. 11.4 ft. high; Cash Point, right descending bank, Caddo Parish, approx. 1914 ft., 20,300 cu. yd., 8.1 ft. high; both having crowns 10 ft. wide and side slopes of 3 horizontal to 1 vertical.

Louisiana — U. S. Engr. Office, foot of Prytania St., has following low bids for constructing 1,080,000 cu. yd. earthwork in south bank, Red River levees, consisting of Sandy Bayou Latanier Levee, lot 1, 586,000 cu. yd. and lot 2, 494,000 cu. yd. as follows by levee, bidder, price: All or none, O. O. Ogden, La., Natl. Bk. Bldg., Baton Rouge, 22.23 cents; Sandy Bayou-Latanier, Lot 1, Fortson Bros., Corsicana, Tex., 12.99 cents; lot 2, Dameron & Kenyon, Port Allen, at 12.90 cents. 8-15

Miss., Gulfport — A. E. Fant, Hansboro; John J. Kennedy, Biloxi; Robert A. Strong, Handsboro; W. F. Cullinane, and T. O. Anderson, both Gulfport, appointed as special commission of Harrison County, to have charge of constructing 26 mi. seawall and front road.

Miss., Jackson — Jackson Country Club contemplates swimming pool.

Missouri — U. S. Engr. Office, McCall Bldg., Memphis, Tenn., let contract to J. C. Johnson Construction Co., 5810 Miami Ave., Tampa, Fla., for constructing 2,153,000 cu. yd. earthwork on Birds Point-New Madrid Levee, at \$538,250. 8-29

Mo., Kansas City — U. S. Engr. Office, Postal Telegraph Bldg., let contract to Ross, Wogan & Co., 908 W. 25th St., Kansas City, Mo., for constructing 2500 lin. ft. standard pile clump dikes, Camden Bend. 8-22

Tex., Center — Center Rotary Club voted to provide conc. swimming pool for children, American Legion Park.

Tex., Galveston — County Commrs. Court, I. Predecki, County Auditor, let contract to Sexton Corp., Post-Dispatch Bldg., Houston, for ferry landings at Ft. Travis on Bolivar Peninsula, and at Ft. Point on Galveston Island, both Galveston County, at \$117,611.88; Stranahan-Harris-Oatis, Inc., Toledo, Ohio, contract ferry boats. 7-18

Tex., Houston — B. H. Garrett, Electric Bldg., construct series of dams to create lake studded with islands; build country club; cost \$400,000.

Tex., Rockport — See Bridges, Culverts and Viaducts — Proposed Construction.

Tex., San Antonio — City, Jacob Rubiola, Park Commr., call new bids for incinerator. 8-22

Tex., Waco — City let contract to Superior Incinerator Co., Wilson Bldg., Dallas, for \$30,000 incinerator. 8-1

Virginia — War Dept., Washington, D. C., plans constructing memorials on historic battlefields in eastern Virginia, costing approx. \$500,000; Lieut. Col. Howard L. Landers started survey, including battle areas of Seven Days' Battle, Seven Pines, Cold Harbor, Fort Harrison and Yorktown.

### Miscellaneous Enterprises

Ark., Fayetteville — H. H. Taylor, Fayetteville and Tulsa, Okla., plans establishing daily newspaper probably within 60 days; George G. Stockard, Van Buren, to be manager and editor.

Ark., McGehee — Ben Thomas, Lake Village, acquired plant of Model Cleaners, Joe Demarke, Jr.

Fla., Camp Walton — Island Amusement Co., incorporated; T. E. Brooks, L. B. Stearns.

Fla., Delray Beach — Florida Squab Farm, J. S. Wuepper and O. Helland, establishing large squab farm; portion complete and in operation; additions now under construction and further additions to be built in few months.

Fla., Jacksonville — Donegan Dairy, G. R. Runyon, Mgr., installing complete electric



equipment in plant west of city, including refrigerator, pumps, etc.; Florida Power Corp., G. R. Runyon, Mgr., in charge of installation.

Fla., Miami—Burley Welding Workers, Inc., chartered; M. Burley, 138 N. W. 33rd St.

Fla., Miami—Bon Ton Cleaners & Dyers, Inc., chartered; R. L. Dougherty, 1934 N. W. 17th St.

Fla., Okeechobee—Contracting and Construction—Walker & Lawrence, Inc., chartered; W. H. Arnold, J. B. Burrus.

Fla., Palatka—Florida Dairy & Live Stock Co., incorporated; T. Roberts, E. H. Williams.

Fla., Palm Beach—Building and Construction—Palm Beach Modern Homes, Inc., chartered; J. L. Peeler, Lexington.

Fla., Pensacola—Newport Co., J. H. McCormack, reported, announced erect \$1,000,000 plant to manufacture insulating board used for general heat insulation in constructing refrigerators, refrigerator cars, roofs, etc.; company now takes lumber from cut-over lands and reduces it to rosin, turpentine, pine oil, etc., remaining shredded wood to be pulverized into powder-like substance and rolled into insulating board.

Fla., Tampa—Hartline Mfg. Co., Inc., W. H. Ruff, 500 Franklin St., issuing 50,000 shares stock no par value; organized under laws of Florida to manufacture and distribute Hartline Self-Blotting Pen; proceeds for extending operations.

Ga., Atlanta—Architecture, Engineering, etc.—Tucker & Howell, Inc., capital \$10,000, chartered; McKendree A. Tucker, 28 Standish Ave.

Ga., Brunswick—Coastal Turpentine Co., incorporated; C. P. Dusenbury, C. C. Gillman.

Ga., Columbus—Williams Lumber Co., erecting \$15,000 bakery, 13th St. and 11th Ave.; 70x147 ft., 1-story, brick, steel; to be occupied by Collins Bakery Co. 8-8

Ky., Frankfort—Utilities Engineering Co., capital \$10,000, incorporated; Harry Post, Jr., R. T. Hartwell.

Ky., Louisville—National Dairy Products Corp., 120 Broadway, New York, acquired National Ice Cream Co., William A. Heuser, Gen. Mgr., 128 E. Broadway, Louisville, with plants in Lexington and Taylorsville, and Ann Arbor Dairy Co., Ann Arbor, Mich.

La., Arcadia—DeSoto Dairy Products Co., capital \$10,000, forming with F. E. Fessenden, Pres.; Clark Orr, V-Pres.

La., Rouston—Chamber of Commerce appointed committee to sell \$100,000 stock required for establishing milk plant.

La., Shreveport—Shreveport Laundries, Inc., August Goldstein, Pres., 2815 Jackson St., having plans completed and soon call for bids for laundry, Howell and Pickett St.; Jones, Roessle, Olschner & Weiner, Architects, Ardits, Bldg. 8-1

Md., Capitol Heights—Pearl Laundry, Inc., Baltimore and Central Ave., incorporated; Thomas J. Luckett, Charles E. Hunt.

Md., Easton—H. N. Firstman, operator of shirt and overall plants at St. Michaels and Tilghman, establish plant soon, employing 50.

Mo., Kansas City—Cleaners Service System, Inc., capital \$15,000, chartered; James A. Freed, 628 E. 61st St. Terrace.

Mo., Kansas City—Ace Automobile Machine Corp., capital \$25,000, incorporated; James W. Johnson, 5421 Montgall St., manufacture Johnson moving target machines and coin operated machines of all kinds.

Mo., Kirksville—Long Incubator Co., incorporated; Wilbur Long, W. P. Blake.

Mo., Joplin—Lawders Wardrobe Cleaner, Inc., capital \$17,500, chartered; F. W. Lawder, 35th and Oak Ridge Drive, Joplin; F. F. Frazier, Webb City.

Mo., Rollo—New Era Publishing Co., capital \$25,000, incorporated; Luman H. Long, C. R. Forbes.

Mo., Rich Hill—City plans purchasing fire truck.

Md., St. Louis—Loose-Wiles Biscuit Co., Hanford Main, Asst. to Pres., 120 S. 15th St., advises "We do not contemplate erection of addition to plant at St. Louis." 9-5

N. C., Aberdeen—Knollwood Construction Co., capital \$15,000, incorporated; J. Talbot Johnson, Wila Williamson.

N. C., Asheville—General Contractors—Reeds, Inc., capital \$50,000, chartered; Clyde S. Reed, Biltmore, N. C.

N. C., Charlotte—McClaren Rubber Co., W. Palmer St., plans increasing production.

N. C., Lexington—United Baking Co., capital \$25,000, incorporated; D. J. Mhaaley, Salisbury; J. L. Peeler, Lexington.

N. C., Wallace—Wallace Industrial Corp., capital \$30,000, incorporated; R. E. D. Dees, Jacob Hurwitz; operate tobacco prize houses, warehouses, re-drying plants, etc.

N. C., Winston-Salem—Winston-Salem Nehi Bottling Co., H. O. Dowling, Pres., new organized, installing machinery in Smithdeal Bldg., N. Trade St., near Eighth; initially produce 800 to 1000 cases daily. 9-5

Okla., Muskogee—DeCamp Consolidated Glass Casket Co., Muskogee Natl. Bk. Bldg., soon erect \$15,000 addition to plant; 3-story, steel, 75 x 150 ft.

Okla., Oklahoma City—Paramount Drug Mfg. Co., E. S. Malone, 226 W. First St., newly organized, acquired Jackson Candy Co. plant, Sixth St. and Santa Fe R. R.

Okla., Tulsa—Vogue Cleaners, Inc., 1414 W. Third St., capital \$50,000, chartered; Croshie Carson, Mrs. Catherine S. Hyatt.

Okla., Tulsa—L. S. Randolph, Philtowner Bldg., has final plans in progress for laundry; 1-story, 70x140 ft., brick, tile; F. C. Walter, Archt., 405 Central Natl. Bank Bldg.

S. C., Georgetown—C. Wayne Cox, of United Dry Cleaning Co., Charleston, leased large building, Front St., for modern dry cleaning plant; begin operations Oct. 1.

Tenn., Chattanooga—Seminole Fruit Flavor Co., increasing capital, \$20,000 to \$80,000.

Tenn., Johnson City—Automotive Air Brake Corp., incorporated; T. T. Pace, S. L. Smith.

Tenn., Clarksville—Montgomery County Cooperative Creamery, Inc., capital \$50,000, formed to acquire Clarksville Creamery Co. plant and operate as cooperative creamery; John J. Conroy, Jr., Pres.; Emory Kimbrough, V-Pres., president of First Trust and Savings Bank.

Tenn., Memphis—Following estimating on \$1,000,000 chemical plant of Plough, Inc., Abe Plough, Pres., 121 S. Third St., bids to be opened Sept. 21: Struck Construction Co., 147 N. Clay St., and L. W. Hancock, Louisville Trust Bldg., both Louisville, Ky.; Westlake Construction Co., Railway Ex. Bldg., St. Louis, Mo.; Madison Construction Co., Minneapolis, Minn.; H. K. Ferguson Co., Hanna Bldg., Cleveland, Ohio; Angle-Blackford Co., Greensboro, N. C.; Kaiser-Ducett Co., Joliet, Ill.; Bellows-McClay Construction Co., Contrs. Industries Bldg., Dallas, Tex.; Algernon Blair, First Natl. Bk. Bldg., Montgomery, Ala.; Summer-Sollitt Co., 307 N. Michigan Ave., and B-W Construction Co., 720 Cass St., both Chicago, Ill.; W. P. Thurston Co., Water & Ash St., Richmond, Va.; Rock City Construction Co., 150 4th Ave., N., Nashville, Tenn.; Smallman Construction Co., 1109-15 S. Fifth Ave., Birmingham, Ala.; E. J. Pearson, Fidelity Bank Bldg.; S. & W. Construction Co., Shrine Bldg.; B. E. Buffalo & Co., 658 E. St.; Wessel Construction Co., 388 N. Front St.; H. A. McGuire & Co., Derman Bldg.; H. J. Gilbertson Construction Co., Graham Bldg.; Gauger-Korsmo Construction Co., Fidelity Bank Bldg.; Memphis Construction Co., 160 Union Ave.; J. J. Ozanne & Co., Empire Bldg.; Hanker & Cairns, Archt., Court Square Bldg., S. Court Ave., all Memphis; Jackson & Moreland, Engr., 31st & St. James Ave., Boston, Mass. 9-5

Tenn., Copperhill—Ingalls Iron Works, Birmingham, Ala., has contract for 250 tons struc. steel for conveyor and bins for Tennessee Copper Co., 61 Broadway, N. Y.

Tenn., Morristown—Dixie Seating & Mfg. Co., capital \$100,000, incorporated; W. S. Howell, M. H. Longmire.

Tenn., Nashville—United Biscuit Co. of America, Chicago, Ill., reported, acquired Tennessee Biscuit Co.; H. A. Christensen, former vice-president, to become president.

Tenn., Nashville—City, Bd. of Public Works, let contract to American La France & Foamite Corp., Elmira, N. Y., at \$72,646.15 for 85-ft. aerial to be attached to truck, city service truck, and 5 750-gal. capacity fire engines; to Gamewell Fire Alarm System Co. for fire alarm system.

Tex., Abilene—Quality Screen Co., Inc., capital \$20,000, chartered; F. D. Powell, A. E. Caldwell.

Tex., Brownsville—Valley Drifter Bottling Co., capital \$27,000, incorporated; G. D. Mahon, A. Peebles.

Tex., Bryan—Bryan Press Co., increasing capital, \$45,000 to \$135,000.

Tex., Dallas—Imperial Laundry Co., capital \$40,000, incorporated; Tom P. Doty, 614 N. Rosemont St.

Tex., Dallas—Building—Pasadena Co., capital \$30,000, incorporated; R. L. Thornton, 3429 Cornell St.

Tex., El Paso—Albert Tinaly, Bldrs. Exch. Bldg., San Antonio, leased building for large plant to manufacture metal preservative, "Tinallium"; begin production within 90 days.

Tex., Falfurrias—Falfurrias Chemical Mfg. Co., incorporated; Ed C. Lasater, W. D. Kynerd.

Tex., Gonzales—American Produce Co., 1319 W. Commerce St., San Antonio, erecting iron-clad, 2-story plant, 56x80 ft., and cold storage room, 30x48 ft.

Tex., Houston—Athon DeYoung, of Armitage Construction Co., 2468 Armitage St., Chicago, Ill., leased Oak Park, for amusement park; ordered material for roller coaster device.

Tex., Lamesa—Lamesa Publishing Co., capital \$35,000, incorporated; Wilbur C. Hawk, N. D. Bartlett.

Tex., Natalia—San Antonio Irrigation Farms Co., reported, erect \$146,000 creamery.

Tex., Smithville—E. G. Albers, Lagrange, seeking location for 12,000 capacity hatchery; modern buckhorn type equipment.

Va., Fredericksburg—McClintic-Marshall Co., Pittsburgh, Pa., has contract for 125 tons rein. steel for transparent paper plant of Sylvania Industrial Corp., Roger N. Wallach, Chanin Bldg., 122 E. 42d St., New York; Hughes-Foulkrod Construction Co., Gen. Contr., 321 Seventh Ave., Philadelphia, Pa. 8-29

Va., Newport News—Horace E. Dodge Boat & Plane Corp., J. Gilmore Fletcher, V-Pres. and Managing Director, 511 Fifth Ave., New York, reported, expend initially \$1,000,000 for pleasure boat plant; first construct power plant; plan beginning operations before Jan. 1, 1930.

Va., Penn Laird—Rockingham Well & Pump Co., Inc., capital \$20,000, chartered; W. C. Echard; drill wells.

Va., Richmond—Pedigree Dairies, Inc., of Richmond, Va., formed by merger of Empire State Dairy Corp., and Pedigree Dairies, Inc., controlled by United States Dairy Products Corp., 1500 Walnut St., Philadelphia, Pa.

Va., Salem—Freight Check Printing Co., Inc., capital \$15,000, chartered; D. S. Baskerville.

Va., Waynesboro—Early Dawn Dairy, Inc., capital \$15,000, chartered; W. Carl Hartman.

Va., Waynesboro—Waynesboro Publishing Corp., incorporated; Louis Spilman.

W. Va., Belle—Dupont Ammonia Corp., subsidiary E. I. Dupont de Nemours Co., Wilmington, Del., reported, appropriated \$3,500,000 for expansion of plant producing nitrogen products from the air. 8-1

W. Va., Beckley—Beckley Newspapers Corp. being formed by merger of Raleigh Register, Charles Hodel, Editor and Mgr.; papers to be published from plant maintained by Raleigh Register.

W. Va., Huntington—Direct Flush Tank Co., capital \$50,000, incorporated; John N. Ricketts, 250 Ricketts Pl.

W. Va., Lumberport—Pederson Glass Co., increasing capital, \$100,000 to \$250,000.

### Motor Bus Lines and Terminals

N. C., Wilmington—Motor Transit Management Co., Greyhound Lines, W. D. Flynn, Office of Gen. Traffic Mgr., 1157 S. Wabash Ave., Chicago, Ill., advises information incorrect regarding purchase of Safety Coach & Transit Co. 8-8

Tex., Fort Worth—Following, reported, applied to Railroad Com. for authority to merge: West Texas Coaches, South Texas Coaches and Young's Bus Line, R. C. Bowen, Fort Worth, Pres., 4516 Pershing St., of all, and Red Ball Line; said to involve over \$2,000,000; erect large shop and terminal, and locate general offices here; southern terminal to be in San Antonio.

West Virginia—Following applied to State Road Com. for authority to operate bus lines: C. J. Bell, Summersville, for line, Summersville to Camden-on-Gauley and between Richmond and Craigsville; Seneca Trails, Inc., Elkins, line between Craigsville and Summersville via Route No. 15, between Cowen and Muddlety, and between Craigsville and Richmond; Blue & Gray Transit Co., Charleston, line between Arnoldsburg and Grantsville; E. F. Bell, Farmington, line, Farmington to Fairmont; Monongahela Transport Co., Fairmont, line between Fairmont and Wheeling via Route No. 6, and between Shinnston and Mannington via

Wyatt; West Virginia Transportation Co., Clarksburg, line between Fairmont and Wheeling via Routes No. 2 and 6, and from Clarksburg to Shinnston via Route No. 4, thence over Route No. 6 to Wheeling; Red Jacket Transportation Co., Inc., Matewan, line between Matewan, Thacker, Thacker Mine No. 2 and Freeburn Bridge; N. & H. Bus Co., New Martinsville, line between Mand and Wiley.

W. Va., Huntington—Ohio Valley Electric Ry. Co., F. W. Samworth, Gen. Mgr., applied to City Com. for temporary permit to substitute bus service on Eleventh Ave. car line; operate 4 buses.

### Motor Cars, Garages, Filling Stations

Ark., Little Rock—F. W. Ault, Moore & Turner Bldg., has contract for \$50,000 building, Third St. and Broadway; to be occupied by Bush Nash Co., 309 Center St.; Wittenberg & Deloney Archt., Home Insurance Bldg. 7-25

Fla., Jacksonville—Burbridge Garage, Inc., chartered; R. W. Bagwell, E. P. Gregory.

Fla., Starke — Atlantic Refining Co. acquired filling station on Hollingsworth property south of here and started installing modern electrical station equipment and service units; power to be furnished by small electric plant.

Ga., Atlanta—M. T. Perkerson, 1102 W. Peachtree St., N. W., let contract to United Construction Co., Jos. S. Shaw, Ga. Savings Bank Bldg., for alterations and changes to garage, 312 Spring St., N. W.; struc. steel, brick, comp. roof; 1-story and basement, 110x100 ft.; private plans.

Ga., Savannah—Shell Petroleum Co., Shell Bldg., St. Louis, Mo., reported, contemplating erect 9 filling stations with 3 1000-gal. storage tanks at each site.

Ky., Inez—Kirk Motor Co., Incorporated; Roscoe Kirk.

La., Colfax—Grant Motor Co., Inc., chartered; Foster McNeely, M. H. Bardwell.

La., New Orleans—Select Tire Service Co., Inc., let contract to Gervais F. Favrot, Baiter Bldg., for \$20,000 tire service station, Camp and Julia St.; contractor receiving sub-contract bids; Favrot & Livaudais, Archts., Hibernia Bank Bldg. 8-15

Md., Capitol Heights — Hunt Motor Co., Inc., chartered; Charles E. Hunt, Gertrude Erskine.

Miss., Meridian—B. F. Hyde, 2603 Seventh Ave., rejected bids for service station for Firestone Tire & Rubber Co., Akron, Ohio; soon call bids on revised plans; 13,000 sq. ft. floor space, brick; P. J. Krouse, Archt., M. & W. Bldg. 8-22

Miss., Port Gibson—Standard Oil Co., A. E. Stevens, Engr., soon start erecting distribution building; all-steel, fireproof; J. S. Brown, Local Mgr.

Mo., Kansas City—National Garage Co., Incorporated; F. H. Woodbury, Jr., 401 W. 51th St. Terrace.

Mo., Joplin—Phillips Petroleum Co., Bartlesville, Okla., contemplates 4 filling stations; 1-story, brick; total cost, \$20,000; private plans.

Mo., Kansas City—Phillips Building Co., C. E. Phillips, Pres., Sharp Bldg., drawing plans for garage and shop, 48th and Ward Parkway; 4 and 5-story, rein. conc.

Mo., Marceline — Wolfe-Shoemaker Motor Co., capital \$25,000, incorporated; Herbert E. Shoemaker, F. M. Wolfe.

Mo., Poplar Bluff — Homer Garner, 418 Vine St. contemplates \$18,000 garage and salesroom, Fifth and Vine St.

Mo., Springfield—Oliver Motor Car Co., Paul Oliver, Chrmn., 795 Boonville Ave., increasing capital stock, \$85,000 to \$125,000.

Mo., St. Louis—Milstrand Motor Co., capital \$150,000, incorporated; W. C. Anderson, 7033 Amburst St.; acquired Tate Motor Co., Inc.

Mo., St. Louis—Texas Co., 2414 DeKalb St., let contract to Fischman & Harris, Inc., 429 Chestnut St., for \$10,000 filling station, 2800 Russell Ave.; 1-story, brick, stucco, 17x42 ft., tar and gravel and tile roof; private plans.

Mo., St. Louis—Texas Co., 332 S. Michigan Ave., Chicago, Ill., and 2414 DeKalb St., St. Louis, soon let contract for filling station, Kingshighway Blvd. and Maple Ave.; brick, stucco, conc., 1-story and basement, 42x24 ft.; bids in; Chas. A. Schulte, Archt., Grand-St. Louis Bldg., 2806 N. Grand Blvd.

N. C., Raleigh—Texas Corp., 17 Battery Place, New York, acquired D. H. Pope chain of service stations.

N. C., Wilmington—Standard Oil Co., of New Jersey, 26 Broadway, New York, acquired site, Third and Red Cross St., for service station.

Okla., Spiro—Cragon Motor Co., incorporated; Jennie Cragon, John B. Hayden.

S. C., Lancaster — Ellison Chevrolet Co., capital \$25,000, incorporated; A. G. Ellison, W. C. Thompson.

Tenn., Memphis—G. I. Frazier, Union Ave., let contract to Memphis Construction Co., Union Ave., at \$23,000, for rim storage and garage building; 2-story, brick, steel, steel sash, wood joists, conc. walls, wood and conc. floors, built-up roof; foundation in; Joe T. Wallis, Archt., 1516 Bank of Commerce Bldg.; Ralph E. Dippell, Engr., 200 N. Willett St. 8-29

Tenn., Va., Bristol—C. W. Bondurant and H. E. Jones let contract to T. G. Martin & Sons, Bristol, for storage garage; Piedmont and Sycamore St.; rein. conc., brick, rein. conc. floors, trussed steel roof; allow for expansion; foundations in.

Tex., Beaumont—E. G. Edson, Magnolia, let contract to Christy-Dolph Construction Co., 249 Liberty St., for \$100,000 storage garage and filling station adjoining Edson Hotel; 48x120 ft., 1-story, brick, orna. stone.

Tex., Hondo—McElroy Motor Co., Inc., capital \$21,500, chartered; T. D. McElroy, Edward C. Jones.

Tex., Houston—Consolidated Oil Co., 2905 McKinney St., acquired sites for service stations, Main St. extension at Stella-Link Road, and Alameda Road and Wheeler.

Tex., Fort Worth—Gulf Refining Co. leased sites for filling stations, Peter Smith and Tucker St., and Terrell and College Ave.

Tex., Lincoln — Phillips Petroleum Co., Bartlesville, Okla., acquired 15 retail service stations of State Oil Co. of Lincoln.

Tex., San Antonio—Roth Bros. Auto Supply & Machine Co., 311 N. Flores St., let contract to National Granite Contracting Co., Bldrs. Exch. Bldg., for foundation for garage addition; Ralph H. Cameron, Archt., Majestic Theatre Bldg.; Beretta-Stiles Co., Inc., Engr., Natl. Bank of Commerce Bldg. 8-1

Tex., Sherman—Roberts Motor Co. Incorporated; T. J. Roberts, S. N. Hall.

Va., Petersburg—Petersburg Storage Garage, Inc., W. Ashton Gray, Pres. and Gen. Mgr., 141 Franklin St., has \$25,000 garage under construction, E. Bank and Henry St.; brick, conc., tile roof, steel trusses; accommodate 90 automobiles; gas station at each end.

Va., Richmond—George E. Jones, Inc., capital \$25,000, chartered; George E. Jones, 1647 W. Broad St.; automobile supplies.

W. Va., Charleston—William S. Robertson erect 3-story garage, Lower Kanawha St.

### Railways

Tenn., Maryville—Southern Railway, B. Herman, Ch. Engr., reported, making surveys for branch railroad, Maryville to Franklin, N. C., over 100 mi., to connect power projects soon to be developed by Aluminum Co. of America.

Tex., Corpus Christi — Roswell Corpus Christi Holding Co., Houston, formed to construct railroad between Corpus Christi and Roswell, N. M.; C. F. Watson, Pres.; A. L. Dickinson, 2116 Fannin St., First V.-Press., all Houston.

W. Va., Huntington—Chesapeake & Ohio Ry. Co., C. W. Johns, Ch. Engr., Richmond, Va., let contract to Kelvinator Sales Co., for water cooling system in shop under construction here and at Russell. 4-18

### Railway Shops and Terminals

Miss., Jackson—Illinois Central R. R. Co., A. F. Blass, Ch. Engr., Chicago, Ill., expend \$75,000 constructing new trackage and removing north Jackson yard office to new site; probably construct 2 new yard tracks, North Jackson, each approx. 1 mi. long; considering enlarging yard office; E. H. Lewis, Supervisor of Tracks, Jackson, to be in charge of construction.

Okla., Jefferson—Chicago, Rock Island & Pacific Ry. Co., W. H. Peterson, Ch. Engr., Chicago, Ill., let contract to Railroad Water & Coal Handling Co., for water treating plant, 30,000 gal. per hour; also for all storage facilities at Grover, Tex.

Tex., Grover—See Jefferson, Okla.

Va., Fredericksburg — Richmond, Fredericksburg & Potomac R. R. Co., E. M. Hastings, Ch. Engr., Richmond, let contract to Whiting-Turner Construction Co., Stewart Bldg., Baltimore, Md., for grading

in connection with extension of tracks into southbound receiving yard and relocating tracks in northbound advance yards; make embankment containing approx. 100,000 yd. material; extend conc. arch, requiring approx. 600 cu. yd. concrete.

W. Va., Huntington—Chesapeake & Ohio Ry. Co., C. W. Johns, Engr., Richmond, Va., expend \$10,801 installing floodlights at shops; erect foreman's office and too room at Peach Creek, costing about \$9,200.

W. Va., Peach Creek—See Huntington.

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

### Proposed Construction

Alabama—State Highway Comn., Woolsey Fennell, Highway Director, Montgomery, received low bids for 1 bridge and 5 road projects; Butler County, bridges, J. F. Donaldson, Mobile, Ala., \$3,300; Cullman County, 2.83 mi. grading, L. C. Britton Contracting Co., Jasper, Ala., \$28,867; DeKalb County, 6.08 mi. gravel, Ledbetter & Johnson, Rome, Ga., \$11,048; Elmore County, 4 mi. paving, State Board of Administration, \$70,636; Lawrence County, 15.50 mi. gravel, J. W. Gwin, Commerce Bldg., Birmingham, \$30,350; Randolph, 1.20 mi. paving, Hooks Construction Co., Montgomery, \$21,608. 8-8

Ala., Brighton — Town, J. K. Edwards, Mayor, receives bids Sept. 18 for streets and storm sewers; Robert L. Totten, Inc., Const. Engr., B. M. Bldg., Birmingham, Ala.

Ala., Gadsden — City contemplates street paving; estimated cost \$150,000.

Ala., Gadsden—City plans paving streets, Ewing Ave. and the Hokes Bluff road; estimated cost \$150,000.

Ala., Mobile—Mobile County Bd. Revenue and Road Comms. receives bids Oct. 1 for building 2 roads; Van Antwerp or Wolf Ridge road and Pump House road; A. D. Davis, Chmn.

Arkansas — State Highway Comn., Little Rock, receives bids Sept. 18 for 2 roads; No. 34, sec. 1 and 2, Lawrence and Randolph 9913 cu. yds. gravel for surfacing Highway Counties; 5 mi. surfacing Walnut Ridge-O'Kean road, State Highway No. 34, sections 1 and 2, Lawrence and Randolph; Dwight H. Blackwood, Chmn.

Arkansas—State Highway Comn., Little Rock, receives bids Sept. 18 for approximately .5 mi. conc. pavement in city of Pochontas, Randolph. Dwight H. Blackwood, Chmn.

Ark., Fort Smith—City, H. S. Peck, City Engr., contemplates boulevard along Poteau River, Missouri Pacific Railroad station to water works; approx. cost \$400,000.

Ark., Little Rock — City contemplates widening Scott St., Third to Ninth Sts. to 38 ft. and resurfacing pavement with asphalt.

Ark., Oseola—City plans paving Poplar St., south side Hale Ave. to south side Ford Ave. and Ford Ave. west line Poplar St. to west line Maple Ave.

Fla., Hollywood—City plans paving Twenty-first Ave., Hollywood Blvd. to Florida East Coast Railway Station.

Fla., Miami—City, Welton A. Snow, Mgr. plans widening N. W. Fifty-fourth St., N. W. Nineteenth Ave. to N. W. Thirty-second Ave.

Fla., Miami Beach—City, C. W. Tomlinson, Clk., plans extending Ocean Drive.

Fla., Tampa—City, D. B. McKay, Mayor, receives bids Sept. 18 for grading, paving, curbing, etc., 17th Ave., West line of Banza St. to west line of 29th St.; approximately 2,536 ft.

Ga., Savannah—City Council received low bid from Esley Paving and Construction Co., Savannah, for paving and conc. gutters.

Ga., Savannah—Gov. Hardman signed bill diverting \$200,000, 14 mi. hard surface road, Savannah to Tybee Beach; Federal government to furnish same amount. H. L. Friedman, State Highway Engr. 6-20

Kentucky—State Highway Comn., Frankfort, received low bids for 4 roads; Calloway County, 9.306 mi. 16 ft. surfacing with bank gravel, Murray-Benton road, W. F. Robinson & Son, Maceo, Ky., \$22,669.80; Graves County, grade and drain 4.346 mi. Mayfield-Symsonia, rein. conc. pipe, R. F.



Pryor & Co., Mayfield, Ky., \$47,528.75; Marshall County, grade and drain 4.063 mi. Benton-Mayfield, rein. conc. pipe, R. F. Pryor, \$25,479.84; Trigg County, grade and drain 4.716 mi. Cadiz-Eddyville road, rein. conc. pipe, Corum Brothers, Madisonville, Ky., \$60,041.67.

Kentucky—State Highway Comm., Frankfort, receives bids Sept. 20 for 4 roads: Henderson County, 6.250 mi. 18-ft. surfacing Henderson-Baskett Lane Clender road; Henderson County, 8.928 mi. 18-ft. surfacing Morganfield road, Henderson-Corydon; Hickman County, 10.012 mi. 16-ft. surfacing, Clinton-Graves County line; Laurel County, 13.056 mi. surfacing London-Clay County line; J. S. Watkins, State Highway Engr.

Louisiana—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, receives bids Oct. 1 for 11 road projects; Arcadia Parish 13.7 mi. 18 ft. conc. on Project No. 1000, Crowley-Mermentau Highway; Bienville Parish, 9.8 mi. 18 ft. conc. pavement, Arcadia-Gibbsland highway; Iberia and Lafayette Parishes, 22 mi. 18 ft. conc., New Iberia-St. Martine-Lafayette highway; Natchitoches and Red River Parishes, 17.3 mi. 18 ft. conc. pavement, Campi-Coushatta Highway; St. Tamary Parish, 8.7 mi. Covington-Mandeville Highway; St. Tamary Parish, 18.8 mi. 18 ft. conc. pavement, Rigolets-Slidel-East Pearl River Highway; Sabine Parish, 8.1 mi. 18 ft. conc. pavement, Many-Florien Highway; Allen Parish, 7 mi. 18 ft. conc. pavement, Oberlin-Kinder Highway; LaSalle Parish, 4.5 mi. 18 ft. conc. pavement, Trout-Jena Highway; Claiborne Parish, 7 mi. 18 ft. conc. pavement, Homer-Minden highway; Orleans Parish, 8.5 mi. 20 ft. conc. pavement Chef Menteurs-Rigolets highway; W. H. Norckauer, State Highway Engr.

Louisiana—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, receives bids Oct. 1 for 11.2 mi. grading and constructing drainage structures on Project No. 4, Moreland Meeker Highway, Route 1, Rapides Parish; W. H. Norckauer, Engr.

La., Alexandria—City R. W. Bringham, Commr. Streets and Parks receives bids Sept. 16 for sidewalks and curbing on Overton St., Vance Ave. to Fenner St. and Kelley St., Bolton to Gould Ave.; Ira W. Sylvester, City Engr. 8-29

La., Franklin—City, Charles Lauve, Mayor receives bids Oct. 2 for approx. 15,000 sq. yds. conc. pavement on Main St. 8-22

La., Shreveport—City receives bids Sept. 24 for paving Rooks St., Batchelor to Market Sts.; S. G. Dolfe, Sec.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, received low bids for 4 roads: Allegany County, 7.9 mi. conc. shoulders, National Pike, Thomas Bennett & Hunter, Westminster, Md., \$100,792.35; Montgomery County, 2 sections, 1.25 mi. conc. highway along Brookville-Sunshine road, M-95 to Sunshine, M. J. Grove Lime Co., Lime Kiln, Md., \$36,606.50; 2.2 mi. conc. highway from Dickerson toward Sugar Loaf Mountain and Martinsburg, M. J. Grove Lime Co., \$37,395; Prince George's County, 1.2 mi. conc. Highway along River road, Defense Highway to P-73, Jarboe & Houghton, Mechanicsville, Md., \$22,414. 8-29

Maryland—State Roads Comm., Baltimore, receives bids Sept. 17 for 7 roads: Calvert County, 2 mi. gravel state highway, Cont. C-29 toward Mackall; Carroll County, 1.0 mi. conc. Lineboro road, end of Cont. C1-62 to Penna. line; Frederick County, 1.0 mi. conc. state highway, Johnsville toward Union Bridge; Montgomery County, 2 mi. conc. shoulders, state highway, Plummer's Corner-Norbeck road, Redland toward Norbeck and Norbeck toward Redland; Montgomery County, 3.8 mi. penetration macadam resurfacing, Glenmont-Sandy Springs road, Layhill to Sandy Springs; Prince George's County, 1 mi. conc. Riggs road toward Old Powder Factory and 1.1 mi. conc. along Jefferson Ave. in Riverdale; L. H. Stewart, Sec.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, receives bids Sept. 24 for 4 roads: Charles County, 2 mi. gravel, Pomfret to Pomonkey; Kent County, 6 mi. conc. Kennedyville to Chesterville via Cleaver's Corner; Wicomico County, 1.5 mi. conc. Salisbury-Snow Hill Road, E. Main St., Salisbury toward Snow Hill; Worcester County, 1.1 mi. conc. Snow Hill-Whitton road, end Cont. Wo-37 toward Whitton; L. H. Stewart, Sec.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, received low bids for 7 roads: Anne Arundel County—2.12 mi. conc., Annapolis St., Severn, Revell, Taylor Ave., West Annapolis, Christliff & Ensey, 1625 Ridgely St., Baltimore, \$42,807; Calvert County—8.7 mi. conc., end of Cont. AA-63 to Solomon's Island road, near All Saints'

Church, Roberts Paving Co., Salisbury, \$181,762; Baltimore County—.65 mi. conc., York road, Cedar Ave. toward Towson, Development & Construction Co., Baltimore, \$40,992; Howard County—2.48 mi. resurfacing with hot or cold bit. mixtures, Baltimore-Washington Blvd., from near Montgomery road to Cont. Ho-61, American Paving & Contracting Co., Baltimore, \$35,950; .93 mi. conc., Montgomery road, end of Cont. Ho-51 to Cont. Ho-53, P. Reddington & Son, Lexington St., Baltimore, \$17,223; Kent County—4.35 mi. conc., Lee's Corner toward Morgne, P. D. Phillips & Bros., Salisbury, \$59,673; Worcester County—51 mi. conc., Berlin-Libertytown road, end of Cont. Wo-47, toward Libertytown, Hannaman-Burroughs Co., Salisbury, \$8,617; L. H. Stewart, Sec. 8-22

Md., Baltimore—Bd. of Estimates authorized grading, Belvedere Ave., Charles St. to Bellona Ave., Sisson St., Twenty-eighth St. to Cedar Ave., Twenty-eighth St., Reese St. to Montbello Ave. and Winston Ave., York road to Craig Ave.; estimated cost \$90,000.

Md., Cumberland—City receives bids Sept. 16 for repaving, paving and otherwise improving streets; Ralph L. Rizer, City Engr.

Md., Cumberland—City, Charles F. Heller, Street Commr. receives bids Sept. 16, repaving, paving and otherwise improving streets. Ralph L. Rizer, Engr.

Md., Easton—Mayor and City Council receive bids Sept. 18 for paving with cement concrete 1872 sq. yds. roadway on Harrison St.; Richard Goldsborough, Town Clk.

Md., Fort George G. Meade—Bids will be received Sept. 25 by Constructing Quartermaster for construction conc. roads, storm and sanitary sewers and water mains.

Md., Towson—Baltimore County Commrs., John R. Haut, Ch. Clk., receive bids Sept. 17 for 2 projects: Group No. 19, improvement .19 mi. conc. Burnbrae road, Chesapeake Ave. to Woodbine Ave.; Group No. 18, relocation .16 mi. conc. Valley road at Cowpens; Samuel A. Green, Roads Engr.

Miss., Bay St. Louis—City, Chas. Traub, Sr., Mayor, receives bids Sept. 21 for street improvements on Spanish Acres road, South Beach Blvd. to Third St., including reinforced conc. culvert, excavation and embankment, conc. sidewalks, curb and gutters, grading, graveling and oiling roadway.

Miss., Gulfport — See Miscellaneous Construction.

Miss., Marks—Town receives bids Sept. 20 for furnishing materials and installing street pavement and drainage structures; Bobo & Collier, Clarksdale, Miss., Engrs.

Missouri—State Highway Comm., Jefferson City, receives bids Sept. 17 for 59 roads and 5 bridge projects: Atchison County, 3 sections graded earth—4.769 mi. Iowa state line to Rockport, 4.404 mi. Iowa state line to Rockport, and 2.055 mi. Tarkio east; De Kalb County, 2 sections, 30 ft. graded earth—2.582 mi. Mayesville to Route 36 and 2.596 mi. Mayesville to Route 36; Holt County, 2 sections 30 ft. graded earth—4.955 mi. and 3.255 mi. Mound City east; Nodaway County, 2.273 mi. gravel haul, Maryville, east; Linn County, 4.774 mi. 30 ft. graded earth, Browning to Purdin; Livingston County, 2 sections 30 ft. graded earth—3.374 mi. and 3.901 mi. Chillicothe to Avalon; Putnam County, 4.206 mi. 30 ft. graded earth, Mercer County line to Lucerne; Randolph County, 2 sections, 30 ft. graded earth—4.067 mi. and 3.820 mi. Clifton Hill to Huntsville; Audrain County, 3 sections 18, gravel—4.394 mi., 4.394 mi. and 2.936 mi., Centralla to Mexico; Boone County, 18 ft. gravel, 2.272 mi. Centralla to Mexico; Lincoln 2.547 mi. 18 ft. gravel, Warren County line to Hawk; Marion County, 1.569 mi. 18 ft. conc., Lewis County line south; Pike County, 2.462 mi. 18 ft. conc., Bowling Green to Louisiana; Scotland County, 4.777 mi. 18 ft. gravel, Memphis to Arbela; Clay County, 3.176 mi. 20 ft. conc., Route 71 east; Jackson County, .289 mi. bank sloping, Holmes Park underpass; Lafayette County, 170 ft. retaining wall at Lexington; Lafayette County, 2 sections—3.908 mi. and 4.015 mi. Lexington to Waverly.

Cooper County, 2 sections, 20 ft. conc.—2.913 mi. and 3.348 mi. Booneville west; Maries County, 4.908 mi. 18 ft. gravel, Osage county line south; Miller County, 4.794 mi. 18 ft. gravel, Eldon south; Gasconade County, 3.198 mi. 18 ft. gravel, St. Clair east; Warren County, 2 sections, 18 ft. gravel, 1.989 mi. Lincoln County line south and 3.490 mi. gravel haul, Warrenton north; Barry County, 3.917 mi. 26 ft. graded earth, Wheaton north; Lawrence, 3.041 mi. 18 ft. gravel, Mt. Vernon west; Vernon County, 3.371 mi. Chat. Haul, Nevada west; Green County, 3 sections—1.29 mi. 18 and 30 ft. conc., in Ash Grove, 2.151 mi. and 4.066 mi. 20 ft. conc., Spring-

field north; Hickory County 4 sections, 18 ft. gravel—700 mi. Weaubleau east, 4.427 mi. Quincy north, 3.508 mi. and 3.425 mi. Quincy south; Phelps county, 1.615 mi. 26 ft. and 30 ft. graded earth, Yancy Mills to Edgar Springs; Stone County, 4.410 mi. 18 ft. gravel, Lawrence County to Crane; Taney, 4 mi. 18 ft. gravel, Route 65 to Walnut Shade; Webster County, 2.395 mi. 18 ft. gravel, Seymour east.

Carter County, 5 sections—1.506 mi. 24 ft. graded earth Grandin south, 4.985 mi. and 4.979 mi. 18 ft. gravel Keeney's Corner to Ellinsore, 3.056 mi. and 2.516 mi. 30 ft. graded earth Keeney's Corner to Ellinsore; Dent County, 3.128 mi. and 4.745 mi. 18 ft. gravel Salem to Slingo; Oregon County—18 ft. gravel, 1.439 mi. and 4.313 mi. Koshkonong to Thayer; Texas County, 2 sections—3.899 mi. and 3.369 mi. 24 ft. graded earth, Summerville south; Wright County, 3.426 mi. 30 ft. graded earth, Norwood west; Cape Girardeau County, 4.570 mi. gravel haul, Jackson to Dutchtown; Dunklin County, 2 sections, 18 ft. gravel—224 mi. Arkansas State line east, .537 mi. Route 25 to New Madrid County; Mississippi County, .908 mi. 18 ft. gravel, Route 60 to Brewster Lake; New Madrid County, 2.072 mi. 30 ft. graded earth, Malden east; Wayne County, 3.066 mi. 30 ft. graded earth, Greenville south; Franklin County, 825 ft. bridge at St. Clair east; St. Clair County, .028 mi. bridge Butler to Appleton City; Butler-Stoddard Counties, 331 bridge at Fisk; Stoddard County, 2612 ft. bridge Fisk to Dudley; Pemiscot County, 30 ft. bridge 3 mi. from Netherlands.

Mo., Carthage—City plans widening College Ave., Main St. to Grand Ave.

Mo., Kansas City—City, Matthew S. Murray, Director of Public Works, receives bids soon for resurfacing McGee St., Twenty-second St. to Thirtieth St., with 2-in. asphaltic conc., 3-in. vitrified brick or 6-in. conc.

Mo., Moberly—City Council plans resurfacing Johnson St., Coates to Concannon St. and Rollins St., Johnson to Tannehill St.

Mo., St. Louis—City, Bd. of Public Service received low bid for 7 streets, totaling \$312,002: Warrenite bitulithic, Kingshighway, Genevieve to Lillian Ave., Bridges Asphalt Paving Co., \$106,962; Warrenite bitulithic, Bircher-Kingshighway, Kingshighway to Genevieve Ave., Bridges Asphalt Paving Co.; \$143,886; asphalt, Ulenia Ave., Bates to Eller St., Central Paving & Construction Co., Ambassador Bldg., \$6,953; rein. conc., Baden Ave., Church road to Frederick St., Central Paving & Construction Co., rein. conc., Allemania St., Helvetia St. to River des Peres, William A. Riley Construction Co., \$9,128; vibrolithic conc., Hoffman Ave., Tamm Ave. to Christy sub-division, Webb-Boone Paving Co., 5103 Tyler St., \$12,215; Warrenite bitulithic, January Ave., Loughborough to Rhodes Ave., Granite Bituminous Paving Co., Ry. Exchange Bldg., \$25,595. 8-15

Mo., St. Louis—City received low bids for street paving: Central Paving Construction Co., 6161 Maple St., \$49,810.41 for 18 projects; 2 projects, Perkinson Brothers Construction Co.; 2 projects, Alfred Lewald, Inc., 6025 W. Cabanne St., and 1 Stiers Brothers Construction Co., totaling \$11,849; Chase Construction Co., \$13,351, repaving Thirteenth St., alley north of Locust St. to Lucas Ave.; Central Paving and Construction Co., \$27,645, laying asphalt emergency runway Municipally owned Lambert-St. Louis Airport at Bridge-ton.

Mo. St. Louis—City receives bids Sept. 24 for improving east Iowa Ave., west Iowa Ave., south Gasconade St., north Gasconade St. and Gasconade St., Ohio Ave. to east Iowa Ave. and from west Iowa Ave. to California Ave., Watson road, Penrod Ave. to city limits of 1876.

N. C., Stanley—City plans paving streets. South Carolina—State Highway Comm., Ben M. Sawyer, Ch. Highway Commr. receives bids Sept. 10 for paving cement concrete gaps at Lyman underpass and Fair Forest Creek, Spartanburg County.

S. C., Aiken—Aiken County Commrs., O. R. Cofer, Clk., receives bids Sept. 20 for Warrenville-Graniteville-Vaughn project; 17,758 sq. yds. cement concrete paving; 39,620 sq. yds. bituminous double treatment; 2,500 cu. yds. gravel surfacing; 5,000 cu. yds. earth fill (Borrow); 8,000 lin. ft. fine grading; L. W. Boykin, Jr., Engr. 8-15

Tenn., Chattanooga—City plans paving Dodson Ave., Wilson to Wilder St. and Chamberlain Ave. in East Chattanooga, Southern railway crossing to Ocoee St. E. D. Bass, Mayor.

Tenn., Elizabethton — Carter County, James B. Deal County Clk., plans improving roads. See Financial News—Bond Issues Proposed.

Texas—State Highway Comm., Austin, will let contracts Sept. 17 and 18 for 122 mi. roads and bridges in 11 counties; Denton County—8.31 mi. grading and drainage structures, Highway 40A, Federal Aid Proj. 117, south to Dallas County line; Dimmit County—2 sections, 8.90 mi. gravel base course, Highway 55, 1½ mi. south of Asherton to .5 mi. north of Caterina, 9.45 mi. gravel and caliche base courses, Highway No. 55, 1.5 mi. south of Carrizo Springs to 1.5 mi. south of Asherton; Goliad County—2 sections, 16.95 mi. conc. pavement, Highway 12, Goliad to Goliad-Bee County line, 12.48 mi. conc. pavement, Highway No. 12, Victoria County line to Goliad; Lavaca County—8.46 mi. grading and drainage structures, Highway No. 72, Hallettsville to Mustangs creek; Matagorda County—9.81 mi. grading and drainage structures, Highway No. 71, St. Louis, Brownsville and Mexican railroad underpass to Wharton city lines; Randall County—2 sections, 8.34 grading and drainage structures, Highway No. 8, 8.29 mi. Highway No. 8, Canyon to Station 438; Wilbarger County—6.29 mi. conc. pavement, Highway 5, 1.5 mi. east of Tolbert to Hardeman County line; Jackson County—58 mi. conc. pavement, Highway 12, Edna to Victoria County line; Karnes County—bridges spanning San Antonio River on State Highway 72 and 112; Milam County—15.06 mi. conc. pavement, Highway 43, road Dist. 6 to Milanao road Dist. 29; Hays County—bridge over San Marcos River, Highway 2.

Texas—State Highway Dept., Austin, receives bids Sept. 17 for 41.44 mi. gravel surface course, Garza County line through Clairemont to Fisher County; Joe H. Caldwell, Div. Engr., Lubbock.

Tex., Beaumont—Jefferson County, B. B. Johnson, County plans improving roads. See Financial News—Bond Issues Proposed. 8-22

Tex., Belton—Bell County plans expending \$1,000,000 for 200 mi. roads in Commrs. Precincts No. 2 and 3; Andy Rollins, Engr., Dallas. See Financial News Columns.

Tex., Comanche—Comanche County, J. G. Irby, Res. Engr. will probably receive bids soon State Aid Proj. No. 207-B, 13.779 mi. grading and drainage structures on Highway No. 10, Erath County line to point 2 mi. east of Comanche; estimated cost \$40,000.

Tex., Dalhart—City Council authorized paving Oak St., Tenth to Seventh Ave., Denrock, Eleventh to Thirteenth, and Eleventh Ave., Denver to Denrock Sts.

Tex., Houston—City, W. E. Monteith, Mayor, plans receiving bids for inverted penetration paving of Dixie Drive and Griggs road from Alameda Road to the Santa Fe tracks.

Tex., Kerrville—Kerr County Commrs., Lee Wallace, Judge, plan expending \$1,451,000 for road system, county to pay \$650,000, state and Federal Aid to pay balance; Highway 27, Mountain Home to Kerr County line, 34 mi. \$225,000; Highway 20, Kerrville to Gillespie county line, \$108,750; Highway 81, Kerrville to Bander County line \$178,000.

Tex., Kermit—Winkler County plans improving roads. See Financial News—Bond Issues Proposed.

Tex., Luling—Caldwell County, Precinct 2 plans hard surfacing roads. See Financial News—Bond Issues Proposed.

Tex., Mt. Vernon—Franklin County, A. J. Goode, Paris, Res. Engr. receives bids soon 15.928 mi. grading and drainage structures on Highway No. 37 Mt. Vernon to Winnsboro.

Tex., Roby—Fisher County Commrs. plan improving roads. See Financial News—Bond Issues Proposed.

Tex., Sherman—Grayson County, W. D. Dockery, Res. Engr., plans 7.894 mi. grading and drainage structures on Highway No. 30, Station 577 plus 53 to Sherman.

Tex., Stinnett—Hutchinson County plans improving roads. See Financial News—Bond Issues Proposed. 8-29

Virginia—State Highway Comm., H. G. Shirley, Commr., Richmond, received low bids for 4 roads and 2 bridges: Clarke County, 7.00 mi. 8 in. 18 ft. macadam Route 36, Pace Construction Co., Inc., Mountain Trust Bldg., Roanoke, Va., \$27,400; Russell County, 5.913 mi. grading and drainage Route 11, Pocahontas Construction Co., Inc., Cass, W. Va., \$72,973.23; Montgomery County, 4.104 mi. 8 in. 18 ft. macadam, F. K. Rich & Co., Princeton, W. Va., \$89,416.32; Richmond County, 3.131 mi. grading and drainage, Perkins-Barnes Construction Co., Blackstone, Va., \$11,152.50; Halifax County bridge over Perrins Creek, Sta. 81-15, Blount & Hayman, Broadnax, Va., \$9,010.40; Halifax County, bridge over Grassy Creek, Blount & Hayman, \$6,401.50. 8-22

Virginia—State Highway Comm., H. G. Shirley, Commr., Richmond, receives bids Sept. 24 for 2 road and 2 bridge projects: Essex County, 225 ft. bridge near Tappahannock; Tazewell county 1 75 ft. steel truss span, Blue Stone River near Mud Fork; Rockingham County, 2.5 mi. grading and drainage; August County, .9 mi. macadam 3 mi. south of Staunton.

Va., Charlottesville—City contemplates improving streets. See Financial News—Bond Issues Proposed.

Va., Norfolk—City authorized paving 31 block streets surrounding Park Manor, Inc.; estimated cost \$6,900; also drainage structures at Delaware Ave. and Colonial Ave.; cost \$3,000; improving May Ave., Calvert to Armstrong St., cost \$3,340.

Va., Petersburg—City plans improving streets: Terrace Ave., Wythe to Mingea St., Taylor St., Main to point opposite last house west of Little Church St., \$1,730; Little Church St., Wythe to Taylor St., \$5,330; Commerce St., South to Dunlop St., \$1,584.

W. Va., Wheeling—Ohio County Bd. of Commrs. receives bids Sept. 17 for conc. pavement conc bridge over Caldwell's Run and cement sidewalks of portion of Twenty-Ninth. Dent. A. Taylor, Clk.

#### Contracts Awarded

Alabama—State Highway Comm., Montgomery, let contracts for 5 roads and 2 bridges: Elmore County—4 mi. cement conc. paving, through Tallahassee, toward Wetumpka, State Bd. of Administration, \$70,698; Cullman County—2.83 mi. grading, draining, Route 3, Cullman toward Birmingham, L. C. Britton, Jasper, \$26,867; DeKalb County—6.08 mi. chert surface, Mentone to Georgia State line, Ledbetter & Johnson, Rome, Ga., \$11,049; Lawrence County—15.50 mi. crushed stone, Moulton to Russellville, J. W. Gwin, Birmingham, \$30,350; Butler County—2 bridges between Greenville and Laverne, J. F. Donaldson, 1056 Washington Ave., Mobile. 8-8

Ala., Birmingham—City let contracts for paving, totaling \$30,715.85: Tenth Terrace south from Twenty-Third to Twenty to Twenty-Fourth St., Fromhold Construction Co., \$3,453.50; Sixteenth Ave., southwest from Montevallo road to Third St., Reliance Concrete Co., \$5,196.20; Seventeenth Ave., Southwest from Montevallo road to Third St., Reliance Concrete Co., \$4,785.80; Twenty-Ninth St. and Twenty-Ninth Ave. north, W. H. Pattie, \$8,022.40; Soarta, Va., Seventy-Third St. to Seventy-Seventh St., Reliance Concrete Co., \$8,699.75.

Ala., Mobile—Mobile County Bd. of Revenue and Road Commrs. let contract for paving Old Shell road to County Club to Mobile Construction Co., Lowenstein Bldg., at \$20,618.15.

Ark., Pine Bluff—West-Ark Construction Co., Fort Smith, was awarded contract to concrete 10 mi. the Dollarway, Eastwood south toward Pine Bluff.

Florida—State Road Dept., Tallahassee, let contract for 15,000 tons rock for road construction to Florida Basic Rock Co., Marianna, Fla. at \$28,000.

Fla., Miami—Dade County Commrs. let contract for paving east viaduct of county causeway with 1½ in. asphalt to W. T. Price, Inc., S. W. 27th Ave., Miami. 8-22

Kentucky—State Highway Comm., Frankfort, let contracts for 3 roads—Magoffin County, 11.283 mi. Salyersville West Liberty road, Wilmore Construction Co., Wilmore, Ky., \$78,349.95; Morgan County, 10.825 mi. West Liberty-Salyersville road, Wilmore Construction Co., \$68,698.40; Butler County, 5.274 mi. Morgantown-Bowling Green road, McEllan & Campbell, Bowling Green, Ky., \$23,513.25.

La., Shreveport—Flenniken Construction Co., Cahn Bldg., has contract to pave Creswell St., McNeil to Marshall at \$6,178.08 and Creswell St., McNeil to Vine at \$11,090.14.

Md., Baltimore—City, Bd. of Awards let contract for street paving to Arundel Construction Co., Knickerbocker Bldg. at \$24,519.50 and Federico Bonadio, Old Town National Bank Bldg. at \$29,893.

Md., Baltimore—City, Bd. of Awards, let contract to Development and Construction Co., American Bldg., at approx. \$17,005 for Contr. No. 534, paving Pennington Ave. in connection with bridge over Cabin Branch.

Miss., Holly Springs—Marshall County Bd. of Suprvs., J. T. Wade let contracts for road work to Shruptine Construction Co., 421 Comer Bldg., Birmingham, Ala.; 12 mi. road through Byhalia to Tennessee-Mississippi

state line and 7 mi. road north and south of Victoria at \$26,000; graveling road through Cayse to state \$5,800. 8-22

Miss., Kosciusko—City let contracts for paving streets forming Public Square and East Jefferson City, Natchez to Jackson to Barber Bros. Construction Co. at \$26,009.05.

Okla., Oklahoma City—City, E. M. Fry, Mgr., let contract repair 7 mi. streets Interstate Construction Co., Contrs., Ind. Bldg., Nashville, Tenn. at \$30,150.

Okla., Sand Springs—City let contract to W. H. Schoate, Sand Springs, to resurface with conc. intersection of First and Garfield Streets.

Tennessee—Dept. of Highways and Public Works, R. H. Baker, Commr. let contracts for 3 roads and 11 bridges totaling \$286,401; Weakley County, grading and draining, Palmersville and Dresden to Gregory, Chandler Co., Virgilina, Va., \$63,335.26; Rhea County, drainage and grading, Hamilton county line and Dayton, including construction 1 bridge, W. C. Shepherd, Citizens & Southern Bk. Bldg., Atlanta, \$38,136.95; Aardaman county, 9 bridges, Bolivar and Madison county line, N. Nailling Co., Osceola, Ark., \$109,181.05; Rutherford county, steel and conc. bridge over Stone's river, Murfreesboro to Franklin, Murphy & Attaway, Hapvilla, Ga., \$19,680.57; Jackson county, grading and drainage, 4.37 mi. Roaring river bridge near Gainsboro to Project No. 135-D, Marion Construction Co., Gainsboro, \$45,947.19. 8-15

Tenn., Chattanooga—City let contract to J. Stein, James Bldg., at \$47,640 for 31,000 lin. ft. straight curb and gutter, 1000 lin. ft. radius curb and gutters, 300 lin. ft. straight for catch basins, 60 catch basins, 30,000 sq. ft. conc. sidewalks and 10,000 cu. yds. common excavation.

Tenn., Paris—City let contract to Interstate Construction Co., Contrs. Industries Bldg., Nashville, \$30,150 to resurface streets.

Tex., Amarillo—City let contracts for paving: West Fifteenth Ave., Gober and Thompson, \$7185.85; North Taylor St. paving, John S. McKnight, 2014 Monroe St., \$5765.49; Lipscomb St. project, Amarillo Construction Co., 614 Lipscomb St., \$5,179.09; South Van Buren St., Gober and Thompson, 316½ Polk St., \$4742.23.

Tex., Ballinger—Runnels County let contract to L. E. Witham Construction Co., San Angelo for road work on Highway No. 30; Tom Green County line to Ballinger.

Tex., Brownfield—City, Roy M. Herrod, Sec., let contract for paving with 4 in. conc. base covered by 2½ in. brick to Panhandle Construction Co., Lubbock at \$2.62.

Tex., Cuero—De Witt County Commrs. Court let contract for surfacing 9 mi. lateral road along Prairie View, Lone Tree and Community connection to Fred P. Hatz, Austin at \$27,623.18.

Tex., San Antonio—Bexar County let contracts for 4 roads: Sunset road, Alamo Paving Co., 321 Dawson St.; Broadway, Alamo Paving Co., 321 Dawson St.; Zuercher road, Alamo Paving Co.; Wetmore road, Colglazier & Hoff, Inc., 125 Crosby St.; Argo road, Colglazier & Hoff, Inc.

#### Sewer Construction

**Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.**

Ala., Brighton—See Roads, Streets and Paving—Proposed Construction.

Ala., Fairfield—A. H. Dimijim, Woodward Bldg., Birmingham, has contract at \$73,673 for construction; work will cover entire sanitary drainage area in city limits; Robt. L. Totten, Supv. Engr. 8-15

Ark., Malvern—City, Robt. Smith, Jr., Sec., receives bids Sept. 20 for storm sewers, curbs, gutters, etc., for Street Improvement Dist. No. 9. See Want Section—Bids Asked.

Ark., West Helena—City let contract to L. L. McEachin, Home Ins. Bldg., Little Rock, at \$65,000 for 11 miles of sewers, 8 to 15-in., and complete disposal plant; install Imhoff tank with sludge drying bed; streets to be paved after sewers lines are laid; plans by Parmelee & Newman, Helena. 8-29

Ark., Wynne—City opens bids about Nov. 1 for disposal plant and extensions; install Imhoff tank, dosing and pumping plant; cost \$54,000; A. M. Lund, Engr., Home Ins. Bldg., Little Rock. 8-29



Fla., Lake City—City, M. L. Plympton, Mayor, receives bids Sept. 14 for sanitary sewer extensions. See Want Section—Bids Asked.

Fla., Miami — Everglades Construction Corp., Hialeah, low bidder for storm sewers, inlets and manholes; C. S. Nichols, City Engr.

La., DeRidder—Charles D. Evans, Conslt. Engr., Levy Bldg., Shreveport, completed survey for sewerage system; may vote on bonds.

La., New Orleans—M. J. Flynn, 914 Joseph St., has contract for sub-surface drainage, Crossman St. from Wells to North Peters, etc.

La., New Orleans—A. P. Boh & Co., 837 Perdido St., reported, has contract at \$130,000 for rein. conc. canal and pipe line in St. Claude Ave., Contr. 204-D. 7-25

Md., Baltimore — W. H. Thompson Co., Relay, has contract for Sanitary Cont. No. 261 sewers at Morrell Park; cost \$91,000.

Md., Cumberland—Kean & Corrigan, reported, low bidders for Tilghman St. storm sewer. 8-5

Md., Easton—Town, Richard Goldsborough, Clk., receives bids Sept. 16 for corrugated iron pipe storm drains. See Want Section—Bids Asked.

Md., Hagerstown—City will let contract in about 10 days for addition to sewer system in south end of city; Oct. 1 let contract for completing west end sewer work.

Miss., Hattiesburg—See Water Works.

Mo., DeSoto—City voted \$110,000 sewer bonds. 8-22

Mo., Independence—City will probably call special election to vote on bonds for construction sewer to the river, to drain district between Independence and Kansas City.

Mo., Poplar Bluff—S. C. Smith and J. W. Adams has contract for conc. box storm sewer.

Mo., Springfield—Langston & Ellis, has contract for sewer in Dist. No. 10, Sec. 5.

Md., Eldon—H. H. Carrothers, 6803 E. 39th St., Kansas City, reported, has contract at \$21,000 for disposal plant improvements. 8-15

Mo., St. Louis—Hogan Contg. Co., 2914 Allen Ave., reported, low bidder for sewer Southern Sewer Dist. No. 4; Riley Contg. Co., 110 N. 7th St., low bidder for sewer outlet.

Mo., Vandalia—Tidd & Beebe, Brookfield, reported, has contract for \$23,000 auxiliary piping.

N. C., Charlotte—City, Wyatt Thomas, Acting City Engr., plans \$200,000 expenditure for sewer, \$100,000 of which will probably be used for extension Irwin Creek outfall line from Southern R. R. main line to Seaboard R. R.; contract will probably be awarded to Tucker & Laxton, Independent Bldg., Charlotte; remaining \$100,000 will be used in extending sewers in new territory and extend sewers to developed sections. 8-22

N. C., Raleigh—City let contract to Robert G. Lassiter & Co., Citizens Bank Bldg., Raleigh, for 20,000 ft. of 24 and 30-in. sewer outfall lines, terra cotta pipe; later plans construction of sewer disposal plant; cost \$100,000; W. C. Olsen, Engr., 5 Exchange Place, Raleigh. 9-5

N. C., Winston-Salem—City, Capt. Harry L. Shaner, Comms., reported, construct 2 pumping stations for pumping sewage from Ardmore and Buena Vista sections to disposal plant on Salem Creek; cost \$10,000 each, with mains and outfalls cost, \$100,000; survey being made.

Okla., Erick—Sherman Iron Works, 18 E. Main St., Oklahoma City, reported, has contract for sanitary sewer extension.

Okla., Hobart—City, reported, plans \$65,000 sewage disposal plant.

Okla., Maud—Standard Paving Co., 2119 E. 11th St., Tulsa, reported, has contract for sewage disposal plant. 8-1

Okla., McAlester—State Bd. of Affairs, Oklahoma City, reported, plans \$25,000 sewage disposal plant at Oklahoma State Penitentiary.

Okla., Tulsa—City, K. R. Teis, Engr., estimated cost of replacement and sewer extension at \$1,770,929; projects include storm sewers in Lindell Park, Meadowbrook, Marshall St., Harvard Ave., Cherokee Heights, etc.; sanitary sewers in White City, Red Fork, Third St., intercepting sewer and Cat Creek.

Okla., Vinita—State Bd. of Affairs, Oklahoma City, reported, plans \$25,000 sewage disposal plant at State Insane Hospital.

Okla., Weleetka — City, reported, plans \$25,000 sewers in Kiowa Creek and 7th Sts.; cost \$25,000.

S. C., Anderson—Geo. C. Odiorne, Clinton, has contract for \$15,000 sewer mains for city and Anderson Cotton Mills.

Tenn., Memphis—G. W. Turner, 280 Ayers St., has contract for labor and materials (except manhole rims and covers and pipe) for sewer in University Terrace subdivision.

Tex., Austin—McKenzie Construction Co., Smith-Young Tower Bldg., San Antonio, reported, has contract at \$15,000 for pumping station and sanitary sewer improvements at River St. and Colorado River; also has contract at \$115,277 for sanitary sewer and intercepting main; work includes pipe line inverted syphon under Colorado River, sewer on River St., Bartons Spring Road, etc.; C. G. Lavender, Sewer Engr.

Tex., Dallas—City, reported, construct \$43,000 storm sewer in Cadiz St. Dist.

Tex., Edna — City plans \$70,000 water works and sewers; Marion Frooshes, Conslt. Engr., Paris.

Tex., Fort Worth — Purvis & Bertram, 112½ W. Ninth St., Fort Worth, have contract at \$12,001, for storm sewer.

Tex., Houston—C. K. Horton & Co., 2202 Clay St., reported, low bidder for sanitary sewer on Patterson St.; Gayle Bros., Post Dispatch Bldg., for storm sewer Lockhart Addition; Ricker Construction Co., Colorado Bldg., for sanitary sewers on Cottage St.; C. D. Yakley has contract for sanitary sewer on Shepherd and McDuffie St.; McLendon & Green for storm sewer on Ennis St.; Ricker Construction Co. for storm sewer on Patterson St.

Tex., Kenedy—City receives bids Sept. 24 for 15,000 ft. of 12 to 24-in. sewers, disposal plant; Hasie Eng. Co., Engrs., Kenedy.

Tex., Mission Grove—City, C. M. Chambers, Mayor, receives bids Sept. 16 for sanitary sewer lines and laterals, Contr. Section, No. 100.

Tex., Richmond — City, E. C. Farnier, Mayor, construct disposal plant, sanitary sewerage system, etc.

Tex., Silvertown—E. Manning, reported, has contract for 12,000 ft. of 18-in. sanitary sewers.

Tex., Troup—See Water Works.

Tex., Tyler—City rejected bids for sewers; soon call for new bids. 8-29

Va., Charlottesville—City considering improving and extending sewer system; votes Oct. 8 on \$225,000 bonds.

### Street Railways

Va., Lynchburg — Lynchburg Traction & Light Co., C. D. Thomas, Mgr., subsidiary Central Public Service Corp., Chicago, Ill., plans erecting car barn.

### Telephone Systems

Ala., Anniston—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., W. E. Bare, Alabama, Mgr., begin erecting exchange, Noble St., in October; 67 ft. frontage, 2 story and basement, rein. conc., allow for expansion; central office and equipment to cost about \$75,000; outside cables, \$101,000; to be completed in May, 1930. 1-3

Ala., Birmingham — Southern Bell Telephone & Telegraph Co., Inc., Atlanta, Ga., let contract to Barge-Thompson Co., 136 Ellis St., Atlanta, Ga., for telephone building, Homewood; 1-story, 78x70 ft., 1-story, brick, hollow tile, limestone trim, comp. roof; Marye, Alger & Vinour, Archt., Walton Bldg., Atlanta, Ga.

Ga., Atlanta—W. S. B. Radio Broadcasting Station of Atlanta Journal, John H. Cohen, receives bids Sept. 12 for \$18,000 radio broadcasting station, East Lake, Candler Road and Glenwood Ave.; 2-story, conc. footings, stucco on cinderblock, tile roof, struc. steel; Morgan, Dillon & Lewis, Archt., Grant Bldg. 8-29

Ky., Lexington—Arthur Brock, Hamilton, Ohio, applied to Federal Radio Comm. for permission to construct radio station atop Phoenix Hotel.

Md., Baltimore — Chesapeake & Potomac Telephone Co., R. L. Olsen, Engr., Standard Oil Bldg., drawing plans for exchange, Catonsville Exchange, Bloomsburg Ave., near Frederick Road; 3-story, brick, steel; H. F. Doeleman, Struc. Engr., 516 N. Charles St.; Taylor & Fisher, Archt., Union Trust Bldg.

Md., Baltimore—Chesapeake & Potomac Telephone Co. allotted \$60,450 for fourth-

story addition to Homewood central office and installing necessary dial equipment.

Md., Salisbury — Chesapeake & Potomac Telephone Co. of Baltimore City, J. E. Clarke, Mgr., expending \$90,270 for additional central office equipment, including installing 200 telephone lines in local switchboard and repeater or booster equipment; install 60 toll trunks and 6 telephone repeaters; included in \$242,165 appropriation.

N. C., Wilkesboro—Goshen Telephone Co., capital \$15,000, incorporated; C. H. Tilreath, Wilkesboro; Jesse Walsh, Goshen.

S. C., Greenville—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., G. L. McCullough, Dist. Mgr., let contract to Barge-Thompson Construction Co., 136 Ellis St., N. E., Atlanta, Ga., for telephone building, College St.; 2-story and basement, provide for 8 stories; construction started; Mayre, Alger & Vinour, Archts., Walton Bldg., Atlanta, Ga. 2-21

Tex., Flatonia — Southwestern Bell Telephone Co., B. D. Hull, Dallas, rebuilding line between here and Moulton.

W. Va., Huntington—Chesapeake & Potomac Telephone Co. of West Virginia, S. S. Flannagan, Mgr., soon install carrier telephone equipment to provide 4 talking circuits over 1 regular line, between Huntington, Charleston and Clarksburg, involving \$12,490.

### Textile Mills

Ala., Montevallo—Montevallo Cotton Mills have plans by Robert & Co., Engrs., Bona Allen Bldg., Atlanta, Ga., for \$40,000 mill; 1 story and basement; 350x100 ft.; tar and gravel roof. 7-25

Ala., Stevenson—Comer Bros., Birmingham, reported, acquired Stevenson Mills; plan improvements.

Ga., Whitehall — C. E. Dunbar, 9 Park Place, New York, reported, acquired Georgia Mfg. Co.

N. C., Kernersville—Southern Silk Mills, Inc., John G. Bentley, Pres., Greensboro, let contract to J. L. Crouse, American Bank Bldg., Greensboro, for mill building, brick and steel construction; saw tooth roof; all glass facing north; install 100 looms and auxiliary equipment; so arranged to be adaptable for either pure silk or rayon cloths; cost of present building program \$150,000; will let mechanical contracts promptly; building arranged to take care of future expansions to weaving activities which company is contemplating within next 18 months; also plans installation of throwing plant to process raw silk or rayon and prepare yarn for weaving; do not at present time contemplate expanding Greensboro plant. 9-5

N. C., High Point—Highland Cotton Mill, reported, let contract to W. F. Lotz, Hasbrouck opp. Jefferson, Philadelphia, Pa., for \$50,000 addition; 1 story with basement; 102 x 172 ft.; brick with conc. foundations.

N. C., Roanoke Rapids—Simmons & Co., 230 Park Ave., New York City, reported, acquired Patterson Mills Co., having 20,000 spindles and 1000 looms; manufactures fancy gingham.

S. C., Greenville — Union Bleachery advises have not completed any plans for additional building and are not interested in receiving propositions on either buildings, material or machinery. 8-22

S. C., Laurens—Laurens Cotton Mills constructing addition to present mill building to relieve congestion in warping, winding, and slashing departments; no spindles or looms to be added; no machinery required; Gallivan Construction Co., Contrs., Gallivan Bldg., Greenville. 8-29

S. C., Spartanburg—Beaumont Mfg. Co., C. Jennings, Pres., 609 Liberty St., reported, plans cotton mill additions.

S. C., Spartanburg—Roomy Toe Hosiery Mills, 247½ E. Main St., incorporated; Carl Loven.

Va., Brookneal—Chamber of Commerce, reported, negotiating with outside capitalists for establishing hosiery mills; company to be known as Sure Wear Hosiery Mills, Inc.

### Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Andalusia—River Falls Power Co., plans 500,000 gal. reservoir; improve equipment at pumping plant.

Ala., Reform—Southern Natural Gas Corp., Watts Bldg., Birmingham, reported, let contract to Layne-Central Co., Chelsea St., Memphis, Tenn., for 2 wells and pumps for water supply; cost \$15,000.

Fla., Chattahoochee—Erie City Iron Works, Sta. A, Box 3008, Orlando, has contract for water tube boiler plant with pulverized coal equipment designed to develop 1000 boiler h. p. at State Hospital.

Fla., Hollywood—City did not receive bids Aug. 15 for c. i. pipe as lately noted. 8-9

Fla., Pahokee—Town Council, Wm. Bloom, Rep., plans installation water facilities.

Fla., Odessa—Layne-Southeastern Co., 742 Twenty-ninth Ave., S., St. Petersburg, reported, plans drilling wells to supply soft water to St. Petersburg.

Fla., St. Petersburg—See Fla., Odessa.

Ga., Brooklet—City, D. L. Alderman, Jr., Clk., receives bids Sept. 16 for water mains and well. See Want Section—Bids Asked.

Ga., Griffin—City will have plans by Robert & Co., Bona Allen Bldg., Atlanta, ready for distribution Sept. 20 for 3,000,000 gal. capacity water works, pump house, filter house, etc.; 10 mile of pipe line; cost \$300,000. 8-22

La., Winnfield—Town votes Sept. 24 on sale or lease of light and water plant.

Ky., Williamstown—City receives bids Sept. 17 for filtration and pumping plant; Bell & Terrell, Engrs., 726-27 McClelland Bldg., Lexington. 9-5

La., New Orleans—Fuller Construction Co., Republic Natl. Bk. Bldg., Dallas, Tex., reported low bidder at \$1,300,000 for Contr. 205-D, constructing drainage canals and pipe lines in various streets, forming part of Metairie Relief canal. 8-22

La., St. Joseph—Town, W. M. Davidson, Mayor, receives bids Sept. 17 for water works improvements. See Want Section—Bids Asked.

La., St. Martinville—Roberts Filter Co., Darby, Pa., reported, low bidder for filtration plant. 8-8

Miss., Hattiesburg—Thomas H. Allen, Engr., 65 McCall St., Memphis, Tenn., submitted water and sewer survey report to city; \$750,000 available. 7-25

Mo., Jefferson City—Capitol City Water Co., reported, expend \$40,000 for extending main.

Mo., New Haven—Fred M. Luth Construction Co., 806 Russell St., St. Louis, reported, has contract for water works improvements, Sections 1, 2, 3, 5, and 6; Waterproofing Co., Ry. Exchange Bldg., St. Louis, for Sec. 4. 7-11

Mo., Norborne—Town voted water works bonds. 2-28

Mo., St. Louis—Rogers-Schmitt Wire & Iron Co., 1815 No. 23rd St., low bidder for iron railings at Howard Bend plant.

Okla., Meeker—City, reported, receive bids in about 60 days for water works; cost \$12,500; erect 80 ft. tower and 40,000 gal. tank; Wood Engineering Co., Engrs., Perrine Bldg., Oklahoma City. 8-29

Okla., Okmulgee—City, reported, plans 2 filtration units at water works; cost \$40,000, W. C. Halleck, Engr., Okmulgee.

Okla., Prague—City, reported, has preliminary plans for water softening equipment.

Okla., Roosevelt—City voted \$36,000 water bonds.

Okla., Wayne—City voted \$27,500 water bonds.

Okla., Tulsa—City, Asbury Endacott, Water Commr., reported, considering flow line from Spavinaw to utilize water at Spavinaw Lake; cost about \$3,000,000.

Okla., Wewoka—City, reported, has preliminary plans for raising and repairing Lake Wewoka dam; R. Grace, Engr., Holdenville.

Tenn., Erin—Erin Water Co., L. F. Stone, Mgr., acquired water works plant; plans building park and playground on portion of property.

Tenn., Memphis—City, Bd. of Water Commrs., James Sheahan, Supt., install water mains in 20 sq. mi. annexed territory; construction of mains along Central Ave. initial work; material and mains purchased. 9-15

Tenn., Wartrace—City retained N. Harrib of Klyce & Harrib, Nashville, as engineers for proposed water supply. 8-29

Texas—Cities of Vernon and Quanah, and Wichita Falls, reported, considering feasibility of securing water supply for cities lying along route of Fort Worth and Denver R. R.; water to be piped to Childress, Chillicothe, Electra, Vernon, Iowa Park, etc.; Dr. Thomas D. Frizzell, Quanah; Hubert Harrison, 260-9th St., Wichita Falls, Committee.

Tex., Abilene—City, reported, plans earth, gravel, tile filtration gallery to recover seepage water from Lake Abilene; cost \$30,000; O. K. Hobbs, City Engr.

Tex., Austin—Kirkwood, Wharton & Lee, 517 N. Flores St., San Antonio, reported, has contract for water supply line from Barton Springs to present filtration plant.

Tex., Beaumont—City, reported, let contract to Norvell-Wilder Supply Co., Trinity and Milam Sts., for valves and United States Pipe and Foundry Co., Burlington, N. J., for fittings for water works.

Tex., Brownwood—Brownwood Water District, F. S. Abney, Pres., Water Bd., will let contract before Jan. 1 on dam across Bayou just below where Jim Ned Creek flows into it; impound 125,000 acre ft. of water, cover 6,000 acres from 1 to 75 ft. deep; will be used for water supply and to irrigate approximately 15,000 acres of Pecan Bayou bottom land; \$2,500,000 bonds available; D. W. Ross, Engr., Houston Bldg., San Antonio. 5-2

Tex., Center—City, reported, having water survey made by Hawley & Frees, Constl. Engrs., Capps Bldg., Fort Worth, for water extension and improvements.

Tex., Dayton—Coastal Constr. Co., Beaumont, reported, has contract at \$50,000 for water works.

Tex., Hallettsville—City let following contracts for water works and light improvements: Fairbanks, Morse & Co., 900 S. Wiggins and generators; American Cast Iron Pipe Co., Praetorian Bldg., Dallas, for pipe; Iowa Valve Co., Oskaloosa, Iowa, for valves and hydrants; General Electric Supply Co., 5 N. Milam St., Houston, for white way light system; General Electric Co., City Bk. Bldg., San Antonio, and Schenectady, N. Y., for switchboard; Terrell Bartlett, Engrs., Smith-Young Tower Bldg.

Tex., Houston—City soon receive bids for 8-in. water line on Wilshire from Elkridge to Telephone Road.

Tex., Port Neches—City soon call for bids for water and sewer system; J. L. Thackwell, Engr., Jacksonville.

Tex., Schertz—W. G. David, Dallas, reported, low bidder at \$35,500 for addition to water works system, Randolph Field. 6-13

Tex., Troup—City voted \$60,000 water and sewer bonds.

Tex., Woodsboro—City, M. Dobson, Mayor, reported, plans \$50,000 water works; Holloman & Kellersberger, Engrs., 510 Second Natl. Bank, Houston.

W. Va., Welch—West Virginia Water Service Co., subsidiary of Federal Water Service Corp., 27 Williams St., New York, soon call for bids for iron removal plant. 6-27

### Woodworking Plants

Ala., Birmingham—Alabama Millwork Co. acquired plant operated by Southern Millwork Co., 3250 Fayette St., and owned by Will C. Grounds, 205 N. 10th St., S. W., improve.

Ga., Atlanta—J. C. Evans, Treas., Hightower Box & Tank Co., 611 Humphries St., advises recent fire confined to shavings and other refuse in boiler room, and plant not damaged. (See Fire Damage, 9-5)

Miss., Crystal Springs—Planters' Package Co., H. J. Wilson, Gen. Mgr., started constructing \$150,000 building to replace plant recently burned; 60x350 ft., 3-story, for storing crates and machinery.

Mo., Wellston—Marvin Hay Mill Work Co., capital \$25,000, incorporated; Robert R. Marvin, James Hay.

N. C., Asheboro—Home Building, Inc. (Building Material and Contr.) clearing site for rebuilding burned plant; machinery on hand.

Tex., Houston—Wood Products Co., J. H. Dwire, 4320-22 Main St., erect \$10,000 plant to manufacture and repair furnitures.

Va., Martinsville—W. M. Bassett Furniture Corp., William M. Bassett, Pres., soon expend approx. \$300,000 erecting dining room furniture plant and large storage building; immediately erect 2 buildings, 2-story, brick, 100x140 ft. and 60x160 ft., to accommodate dry kilns, glue rooms, etc.; erect storage building in spring, 1930, 100x200 ft., 3-story; increase capacity by 75%; Finley, McCoy & Co., Gen. Contrs., Martinsville.

### FIRE DAMAGE

Ala., Athens—Knight Bros. Stave Factory, North Athens.

Ala., Brent—Peoples Warehouse & Storage Co.'s gin; loss \$31,000.

Ala., Carrollton—Warehouse of Carrollton Produce & Warehouse Co.

Ala., Carrollton—Cotton gin operated by J. D. Drain Gin Co., owned by Mrs. George M. Collins.

Ala., Montgomery—White Packing Co.'s plant.

Ark., Fort Smith—Main building of Yaffee Iron & Metal Co., Inc., loss \$30,000.

Ark., Gurdon—D. W. Mells' store.

Ark., Harris—Arthur E. Zell's residence, S. Elm St., owned by Mrs. Will Ross.

Ark., Lonsdale—School owned by Rural Dale School District, W. O. Reeves, Chmn. School Board; loss \$18,000.

D. C., Washington—W. A. H. Church Inc., lumber yard, Eighth St. bet. C and D St., S. W.

Fla., Callahan—Building occupied by M. H. Jordan's broom plant; H. E. Pickett, owner.

Fla., Ortega—Dwelling, McGirts Blvd. and Algonquin St., owned by Mrs. Burroughs, 1030 Ocean St., Jacksonville.

Fla., Palatka—Warehouse owned by Palatka Development Co.; loss \$15,000.

Ky., Irvine—Store and dwelling of Morg Chaney, 6 miles from Irvine.

Ky., Louisville—Louis P. Hyman's residence, 2205 Douglass Blvd.; loss \$8000.

Ky., Louisville—Continental Lumber & Mfg. Co.'s main plant, 2138 S. Floyd St.

La., Colfax—Felix O'Quin's residence, owned by Colfax Lumber & Creosote Co.

La., Mansfield—W. H. Porter's gin in Eats Mansfield; loss \$10,000.

La., Monroe—Calloun Lumber Co.'s fuel room, sawmill, planer mill, lumber yard, commissary and loading docks, 16 mi. west of city.

La., New Orleans—Building, 622 Conti St., owned by George A. Lotz Co.; loss \$20,000.

La., Winnfield—Colvin Hotel; loss \$20,000.

Md., Baltimore—Building occupied by I. & M. Ottenheimer, stationers and bookbinders, 800 E. Fayette St.

Md., Cambridge—Phillips Packing Co.'s warehouse of Factory A; reported loss, \$100,000.

Md., Ocean City—Concession block operated by Thomas A. Conway and Joseph Bryan.

Mo., Castlewood—Castlewood Hotel; address Manager.

Mo., Jefferson City—Hudson-Essex Garage, Commercial Ave.; Clyde Francis, owner; loss \$25,000.

Mo., Mercer—Alley Restaurant, Alley Hardware Store, Alley Dance Hall, Collier-Brummitt Garage.

N. C., Durham—Big Bull Warehouse, owned by Bernice B. Bowles; loss \$40,000.

Okla., Tulsa—Hay store room of J. H. Maxwell Auto Wheel and Body Works, 5 N. Boston Ave.; loss \$18,000.

Okla., Tulsa—Oil storage tank of Texas Co., 17 Battery Place, New York.

S. C., Sumter—Building at Morris College.

Tenn., Atwood—Walter Sander's residence near Atwood.

Tenn., Etowah—Ernest Duffy's residence, Athens-Etowah Pike.

Tenn., Troy—School at Cloverdale, 15 miles from Troy; loss \$22,000.

Tenn., Wartrace—Men's furnishing store, Wright-Register & Co.; drug store, Stanley-Thompson Co.; cafe, J. C. Register; general merchandise store, G. E. Slater; Masonic Hall; loss \$200,000.

Tex., Beeville—D. G. Nixon's gin, at Pawnee; loss \$15,000.

Tex., Brookeland—Mott's, Bell's and Ashley's stores.

Tex., Breckenridge—Buildings occupied by Baum Fashion Shop and Southern Electric Shop; loss \$30,000.

Tex., Brenham—C. Albert McMeans' residence, Austin-Houston, Highway; loss \$14,000.

Tex., Chatfield—W. J. Anderson's gin; loss \$10,000.



Tex., Coleman—Wallace Gin Co.'s gin; loss \$53,000.

Tex., Commerce—Gin owned by Commerce Cotton Mill Co.; loss \$30,000.

Tex., Dallas—L. O. Clark's residence, Aubrey Ave., Elm Thicket, near Dallas; loss \$10,000.

Tex., Fort Worth—Building occupied by B. F. Gilbert's automobile awning shop; loss \$15,000.

Tex., Lodi—Post Office and W. P. McGuffin's store.

Tex., Lohn—Reed Stewart's gin; loss \$30,000.

Tex., Lorena—J. C. Williams, cotton gin; loss \$50,000.

Tex., Nocona—Roberson Company's gin; loss \$18,000.

Tex., Poth—Warehouse owned by Farmers' Bonded Warehouse Co.

Tex., Richland—N. J. Middlebrook's gin.

Tex., Roane—Smith & Delaney's gin; loss \$27,500.

Tex., San Antonio—Rubia Bedding Co's plant; loss \$20,000.

Tex., Wichita Falls—Scott Hotel, owned by R. W. Scott, Wellington; loss \$15,000.

Tex., Willow City—Pfeil Cotton Co.'s gin; loss \$13,000.

Tex., Webster—Residence of Mrs. Lennie Bennett.

Tex., Wolfe City—Warehouse of Texas Warehouse Co.; loss \$25,000.

Va., Heathsville—Bascom Thomas' storehouse, Harding's Wharf.

Va., Luray—Kirby Warren's potato chip plant.

Va., Norfolk—Warehouse at Port Norfolk owned by Planters Manufacturing Co.

Va., Pulaski—Coleman Furniture Co.'s plant.

W. Va., Martinsburg—Garage and barn at plant of Red Apple Orchard Co., 5 miles west of here.

W. Va., Parkersburg—Residence, 602 Juliana St., owned by Ben R. Blackford.

hall; bonds voted; 2 stories, conc. and wood floors, comp. roof, auditorium to seat 600; jail; architect not selected. 6-27

Ark., Jonesboro—Craighead County defeated courthouse bonds; Almand & Stuck, Archts., Boyle Bldg., Little Rock. 8-20

Ga., Madison—Morgan County, reported, votes Oct. 8 on \$30,000 courthouse bonds.

Ky., Lexington—City, James J. O'Brien, Mayor, receives bids until Sept. 14 for municipal auditorium; \$300,000; plans at office Frankel & Curtis, Archts., Wolfe-Wile Bldg., Lexington; Warner & Mitchell, Assoc. Archts., Cleveland, Ohio. 9-5

Miss., Jackson—Hinds County Board of Supvrs. probably open bids in December for \$850,000 courthouse; Claude H. Lindsley, Archt., Lamar Bldg. 5-16

Mo., Kennett—City, Hal H. McHaney, Chmn., Bldg. Committee, erect \$1,000 community building; brick and steel, 1 story; Uzzell S. Branson, Archt., Farmers Bank Bldg., Blytheville, Ark. 8-8

Mo., St. Louis—Board of Police Commrs., Room 604 Police Headquarters Bldg., 1200 Park Ave., receives bids until Sept. 20 for Sixth District Police Station, Florissant & Ruskin Aves.; \$200,000, 2 stories, shooting gallery in basement; Mauran, Russell & Crowell, Archts., Chemical Bldg. 8-8

Mo., St. Louis—Board of Public Service receives bids Sept. 17 for Buder bathhouse and swimming pool, Hickory and Ewing Sts.; \$125,000, fireproof, brick and rein. conc., 2 stories, part basement and attic, 90 x 126 ft., tile pool 35 x 75 ft., steel dressing compartments, filter system, hot air heat; F. A. Updegraff, Archt., Civil Courts Bldg.; also bids same date for brick stable Carondelet Park; 1 and 2 stories and basement, 106 18 x 30 ft.; same archt. 6-13

N. C., Greenville—William Henry Haywood Sheppard Memorial Library, William H. Dail, Jr., member, Bldg. Committee, selected Leslie N. Boney, Murchison Bldg., as architect for \$50,000 library, Evans St. 8-15

N. C., Wilmington—New Hanover County voted \$28,000 bonds for county home. Address County Bd. of Commrs.

Okla., Hunter—City erect \$13,000 auditorium; brick and tile, 1 story, 70x110 ft.; R. W. Shaw, Archt., Enid.

Tenn., Elizabethton—Carter County, W. C. O'Brien, County Chmn., voted \$25,000 jail bonds.

Tenn., Memphis—J. E. Joyner, Park Commissioner, has permit for \$24,000 steel and concrete auditorium.

Tenn., Mt. Pleasant—City having plans drawn by I. L. Chadwell for \$10,000 city hall; conc. and brick, 2 stories 50 x 60 ft., hardwood floors, conc. foundation. Address L. H. Hammond, City Recorder.

Tenn., St. Elmo, Chattanooga—St. Elmo Town Comsn. having plans drawn by Gordon L. Smith, Archt., Volunteer Life Bldg., Chattanooga, for fire station, 45th St. and St. Elmo Ave.; brown brick. 6-6

Tenn., Trenton—Gibson County Comsn., J. H. Harber, Chmn., erect brick, rein. conc. and steel jail; 2 stories, conc. and wood floors, comp. built-up roof; Geo. Mahan, Jr., Archt., Manhattan Bk. Bldg., Memphis.

Tex., Austin—City Park Board, H. D. Dunham, member, plans amphitheater, football field, etc., Barton Springs, during 1930.

Tex., Austin—Travis County, George S. Mathews, County Judge, receives bids until Oct. 8 for fireproof courthouse; plans not completed; 6 stories, basement and sub-basement, with 2 top floors for jail, stone and conc.; Page Bros., Archts., Austin Natl. Bk. Bldg., Austin; Gardner & Howe, Struc. Engrs., Kirby Bldg.; R. F. Taylor, Mech. Engr., both Dallas. 9-5

Tex., Dallas—Town of Highland Park, J. Ben Critz, Mayor, votes Sept. 14 on \$75,000 library bonds.

Tex., Liberty—Baptist Church considers erecting brick building.

Tex., Palestine—City Council erect fire station, Brazos St. near Micheaux St.

Tex., San Antonio—City, C. M. Chambers, Mayor, opens bids Sept. 23 for Roosevelt Park branch library; fireproof, Spanish type, tile and stucco, 1 story, 67x80 ft., tile roof; separate bids for wiring and heating; John N. Marriott, Archt., Frost Natl. Bank Bldg.; also soon complete plans for San Pedro Park branch library; white store, 1 story 100x60 ft., red tile roof; Altee B. & Robt. M. Ayres, Archts., Smith-Young Tower; W. E. Simpson & Co., Engrs., Milam Bldg. 7-25

Va., Spotsylvania—Spotsylvania County Board of Supvrs. erect \$10,000 jail.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Fla., Ybor City, Tampa—Castillo Cristobal Colon No. 7, Knights of the Golden Eagle, Segundo Gourelar, Pres., Bldg. Committee, erect \$50,000 clubhouse, 16th St. and 9th Ave.; 2 stories, tower; designed by I. A. De Minichis, 1425 1/2 E. Broadway.

N. C., West Asheville, Asheville—West Asheville Masonic Lodge, A. F. & A. M., and Asheville Chapter, Order of Eastern Star, H. B. Posey, Chmn. Bldg. Committee, soon have plans drawn for \$50,000 temple, Palm Grove Ave.; 2 stories and basement. 2-23

Tex., Sterling City—Ancient Free and Accepted Masons, Rufus Foster, Chmn. Bldg. Committee, erect brick temple; east stone trim, conc. frame, 2 stories, 25 x 10 ft., tar and gravel roof; Roy K. Hamberlin, Archt., Builders Exch. Bldg., San Antonio; Leonard R. Mauldin, Assoc. Archt., San Angelo.

#### Bank and Office

Ga., Atlanta—Albert Thornton Estate, Albert Thornton, Jr., Atlanta Trust Co. Bldg., ready for bids for \$400,000 store and office building, Edgewood, Pryor and Decatur Sts.; rein. conc., brick and tile, stone front, stone trim, 5 stories and basement, 100x200 ft., tile, marble and terrazzo; A. TenEyck Brown, Archt. (A. Barill, Associate), Forsyth Bldg. 6-20 under Stores.

Md., Baltimore—Baltimore Life Insurance Co., Arthur R. German, V.-Pres., 301 N. Charles St., probably call for bids within 60 days for 12-story office building, Charles and Saratoga Sts.; Indiana limestone, fireproof, steel construction; 6 stories on first floor, auditorium on 11th floor, library on top floor; roof garden on set-back of 11th floor; Mottu & White, Archts., 527 N. Charles St. 4-4

S. C., Anderson—South Carolina Savings Bank completed plans to remodel building; install safe deposit vault of 500 boxes; Casey W. Fant, Archt.

Tex., Corpus Christi—H. G. Sherman, member, Wood-Sherman Construction Co., has low bid at \$212,967 from W. C. Thrailkill, Real Estate Bldg., San Antonio, for 6-story office building; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; W. E. Simpson & Co., Engrs., Milam Bldg.; Lloyd E. Royer, Mech. Engr., Smith-Young Tower, both San Antonio. 8-29

Tex., Port Arthur—Seaboard Bank & Trust Co., Procter & Austin Sts., Arthur Mauldin, remodel building; install new fixtures.

#### Churches

Ala., Dothan—Foster Street Methodist Church erect \$40,000 Sunday school, N. St. Andrews St.; work start not later than Feb. 1.

Ky., Mayfield—First Christian Church plans rebuilding burned structure; \$15,000.

La., Many—Methodist Church having plans drawn by J. W. Smith & Associates, Archts., Ouachita Bk. Bldg., for brick bldg.; auditorium, 7 classrooms. 9-5

N. C., Charlotte—St. Luke's Lutheran Church, Rev. H. P. Wyrick, Pastor, soon call for bids for \$15,000, semi-fireproof building, E. Boulevard and Dilworth Rd.

N. C., Durham—Memorial Methodist Church, Chapel Hill St., remodel Sunday school; C. M. Euler, Archt., First Natl. Bank Bldg.; bids in.

N. C., Williamston—Presbyterian Church, Rev. Z. T. Plephoff, plans \$15,000 building.

Okla., Ada—Church of Christ, E. Main St., Rev. J. W. Dunn, Pastor, plans \$35,000 building.

Tenn., Knoxville—Church St. M. E. Church, South, receives bids until Sept. 26 for \$500,000 building, Main Ave. & Henry St.; John Russell Pope, Archt., 542 Fifth Ave., New York; Barber & McMurry, Assoc. Archts., 425 W. Church St., Knoxville. 9-5

Tex., Liberty—Methodist Church, Rev. D. S. Hotchkiss, Pastor, soon start work on \$20,000 to \$30,000 building.

Tex., Fort Worth—Following contractors estimating on \$600,000 church for First M. E. Church, bids Sept. 16: Thos. S. Byrne, Inc., Fort Worth Natl. Bank Bldg., R. F. Ball Construction Co.; Butcher & Sweeney, both First Natl. Bank Bldg., all Fort Worth; A. J. Rife Construction Co., 1913 Harwood St., Central Contracting Co., Athletic Club Bldg., Bellows-Macley Construction Co., Construction Industries Bldg., all Dallas; W. G. Clarkson & Co., Archts., First Natl. Bank Bldg. 8-22

Va., Martinsville—Grace Presbyterian Church (Colored) plans \$20,000 building, W. Lafayette St.; brick, steel and frame, 36x64 ft.

#### City and County

Alabama—Third District Almshouse Comsn., Haygood Paterson, temporary president, Montgomery, receives plans from architects at meeting Sept. 16 for district almshouse for number of southeastern Alabama counties.

Ala., Greenville—Butler County Court erect brick and rein. conc. jail; 2 stories, 40x55x22 ft., cement floors, asbestos shingle roof, steam heat; D. O. Whildin, Archt., 517 N. 21st St., Birmingham; bids Sept. 11. 5-30

Ala., Montgomery—City, W. A. Gunter, Mayor, having plans drawn by Frederick Ausfeld, Archt., Shepherd Bldg., for \$200,000 jail, N. Perry St. and Madison Ave.; rein. conc., brick, struct. steel, stone trim, 3 stories and basement, built-up roof, steam heat; Archt. advises plans ready about middle of Oct.

Ark., Forrest City—City, James L. Scott, Mayor, erect \$45,000, brick and conc. city

## Dwellings

Ala., Birmingham—J. F. Thompson, Alabama Power Bldg., erect brick veneer residence, Mayfair; 2 stories, tile roof, steam heat; Sam C. Molloy, Archt., Protective Life Bldg.

Ark., Jonesboro—J. P. Crenshaw erect brick veneer residence; 1 story and basement, tile roof, tile bath; Estes W. Mann, Archt., Cotton Exch. Bldg., Memphis, Tenn.

D. C., Washington—E. C. Spliedt, 1416 F St., N. W., has permit for 2-story, brick and stone dwelling, 6600 16th St., N. W.; \$30,000.

D. C., Washington—M. N. Huxley, 2409 California Ave., N. W., and W. K. Neimeyer have permit for 2-story, brick dwelling, 7040 Ataska Ave., N. W.; \$14,000.

D. C., Washington—Everett S. Beall, Jr., 1261 New Hampshire Ave., N. W., has permit for two 2-story brick dwellings, 4101-03 38th St., N. W.; \$20,000.

D. C., Washington—Robert E. Ellsworth, 3418 17th St., N. W., has permit for three 2-story, brick dwellings, 4301-05-09 Jennifer St.; \$22,500.

D. C., Washington—Edmund C. Wildt, 4023 18th St., N. W., has permit for \$12,000 residence, 1748 Taylor St., N. W.; brick and tile, 2 stories.

D. C., Washington—Max Simon, 3720 Nichols Ave., S. E., has permit for 2 frame and stucco dwellings, 3328-32 Brothers Pl., S. E.; 1 story; \$10,000.

D. C., Washington—F. A. and M. H. Meatyard, 927 15th St., N. W., have permit for two brick and tile dwellings, 4007-09 Fessenden St., N. W.; 2 stories; \$13,000.

Fla., Boca Grand—Robert Treat Paine, II, Boston, Mass., and Boca Grande, has low bid at \$25,513 from C. Franklin Wheeler & Co., Fort Myers, Fla., for residence; Nat. Gaillard walker, Archt., Fort Myers; Prentiss French, Landscape Archt., Sarasota, Fla.

Fla., Miami Beach—W. J. Gillilan, care Russell Pancoast, Archt., 1139 Lincoln Rd., erect residence and garage, Flamingo Drive near 39th St.; bids in.

Fla., Miami Beach—H. A. Clark, care Russell Pancoast, Archt., 1139 Lincoln Rd., erect \$25,000, rein. conc., conc. block and stucco residence, garage and servants' quarters, Collins Ave.; 2 stories, tile floors and roof; plans in several weeks.

Fla., Tallahassee—J. A. Edmondson, 304 N. Monroe St., erect \$16,000 frame residence, Los Robles; 2 stories, 42x33 ft.; Alvin R. Moore, Archt., 32 Continental Bldg.

Ga., Atlanta—Mrs. J. J. Goodrum, 33 11th St., N. E., erect brick residence, Paces Ferry Rd.; 2 stories and basement, conc. footings, hardwood floors, tile bath, tile or slate roof, steam heat; Hentz, Adler & Shutze, Archts., Candler Bldg.; plans about Sept. 20.

Ga., Atlanta—William Kiser, Jr., 109 17th St., N. E., erect \$40,000 residence, Paces Ferry Section; brick, 2 stories and basement, hardwood and tile floors, conc. footings, tile or slate roof, steam heat.

Ga., Atlanta—Guy Huggins, Bolton, erect brick veneer residence, Grove Park; 1 story and basement, hardwood floors, comp. roof; Daniell & Beutell, Archts., Healey Bldg., Atlanta.

Ga., Atlanta—H. B. Oliver, 34 Walker Terrace, erect brick and stone trim residence, Habersham Rd.; 2 stories and basement, conc. footings, hardwood and tile floors, slate or tile roof; Hentz, Adler & Shutze, Archts., Candler Bldg.

Ga., Albany—Wm. C. Porter, 140 Broadway, New York, establish winter estate, 15,000-acre tract, Flint River near Albany; erect residence.

Ga., Brunswick—A. L. Gordon, Union St., convert residence for duplex; L. S. Miller, Archt.

Ga., Cordele—D. N. Williams erect brick residence; hardwood and tile floors, steam heat; T. Firth Lockwood, Archt., Murrah Bldg., Columbus; bids Sept. 9.

Ga., Macon—Morris Michael, care Happ Bros., receives bids Sept. 13 for \$50,000 residence, Stanislaus Circle; stucco and hollow tile, conc. footings, 2 stories and basement, 163x67, Indiana limestone east stone and Stone Mountain granite, cement, terrazzo, tile, marble and hardwood floors; marble toilet partitions; built-up and tile roof; Hentz, Adler & Shutze, Archts., Candler Bldg., Atlanta.

La., Hammond—W. R. Anthon receives bids until Sept. 14 at office Leon Ford, Jr., for 1-story, hollow tile residence, near Hammond; plans from B. S. Gallup, Constr. Supvr.

La., Shreveport—Claude M. Pasquier, Slatery Bldg., erect \$10,000 frame residence, 382 Oakley Drive; 2 stories.

La., Shreveport—F. R. Hodges receives bids until Sept. 16 at office Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg., for residence. 8-8

Md., Baltimore—Milton R. Lerch, 5206 Harford Rd., erect 2 stucco dwellings and garages, 3107-09 Northway Drive; \$10,000.

Md., Baltimore—Dr. A. E. Thompson, 25th and Huntington Ave., plans residence, Fairfield and Park Drive.

Md., Baltimore—Dr. James H. Ferguson, Jr., Medical Arts Bldg., erect \$35,000 residence, Fenchurch St., Guilford; stone and stucco, 2 stories; Fredk. Thomas, Archt., 728 E. 33rd St.

Md., Baltimore—Louis C. Jenkins, 601 Cathedral St., plans \$25,000 residence, Springlake Way near Tunbridge Rd., Homeland; cinder block and stucco, 2 stories.

Miss., Greenville—Geo. E. Rigney considers erecting 14 three-room tenant houses, N. Poplar and Johnson Sts.; also additional dwelling.

Ala., Aldrich—Montevallo Coal Mining Co.; 25 miners' dwellings. See Construction News—Coal Mining and Coke Ovens.

Mo., Springfield—Joseph Keet, 520 S. Jefferson St., reported, erect residence, S. National Ave.

Mo., Springfield—S. E. Dobbs, Contr., 530 W. Lynn St., erect residence, S. National Ave.

Mo., Springfield—T. W. Duvall, 312 S. Jefferson St., soon let contract for residence, S. National Ave.

Mo., St. Louis—Jacob Schenck, Jr., 5450 Rosa Ave., erect two dwellings, Goethe Ave., near MacKlad Ave.; brick, 1 story and basement, 75x42 ft., hardwood floors, tile baths, asphalt shingle roof, hot air heat; bids in.

Mo., St. Louis—A. M. Wernig, 2508-A Bailey St., erect brick residence, Glen Echo Drive, Normandy Park; 1½ stories and basement, 36x45 ft., tile and oak floors, tile and asphalt shingle roof, tile bath, steam heat, garage; O. J. Popp, Archt., Arcade Bldg.; soon call bids.

N. C., Greensboro—P. D. Gilreath, 1206 Madison Ave., erect frame residence, Carlisle Estate; 2 stories and basement, hardwood floors, comp. roof, steam heat; Jos. J. Sawyer, Archt., Jefferson Bldg.; plans ready about Sept. 20.

S. C., Aiken—Mrs. Nelson Johnson remodel frame residence; 2 stories and basement, \$10,000; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta, Ga.

S. C., Aiken—Mrs. Henry W. Bull, 171 E. 62nd St., New York, remodel 2-story and basement, frame residence; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta, Ga.

S. C., Aiken—Mrs. William Reyburn, Washington, D. C., and 475 Fifth Ave., New York, erect winter residence, Highland Park Wood.

S. C., Spartanburg—Mrs. John Clark erecting \$30,000 residence, Otis Blvd.

S. C., Rock Hill—Mrs. D. B. Johnson, Winthrop College, erect \$20,000 residence; brick veneer, 2 stories and basement, hardwood and tile floors, slate or tile roof, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg., Atlanta, Ga.

Tex., Austin—A. W. Schmidt, 1417 Travis Hgts. Blvd., erect \$10,000 brick veneer residence, Cromwell St.

Tex., Austin—John M. Del Curto erect brick veneer dwelling, Laurel Lane, Aldridge Place; 1 story, oak floors, clay tile roof, gas heat; Roy L. Thomas, Archt., Littlefield Bldg.; bids in.

Tex., Austin—Swedish M. E. Church, Rev. O. E. Lindstrum, Pastor, erect brick veneer parsonage, 13th St. near Congress Ave.; 2 stories, 38 x 23 ft., oak floors, asbestos shingle roof; Roy L. Thomas, Archt., Littlefield Bldg.

Tex., Dallas—P. R. Clark, Int. Bldg., erect \$13,000 residence, 4201 McFarlin Blvd., Stratford Manor, University Park; brick veneer, 10 rooms.

Tex., Dallas—A. A. Gover erect \$10,000 residence, 4436 N. Versailles St.

Tex., El Paso—Robert Davis erect \$10,000 residence, 2001 N. Virginia St.; 2 stories.

Tex., Houston—R. H. Pentz, Post Dispatch Bldg., plans residence, Inwood Drive near Chilton Rd., River Oaks.

Tex., Pasadena—Luff Realty Co., Kress Bldg., Houston, erect number cottages.

Tex., Polk County—State Board of Control, R. B. Walthall, Chmn., Austin, soon start work on 50 dwellings, Indian reservation in Polk County; State Legislature appropriated \$47,000; U. S. Government to appropriate \$40,000.

Tex., Portland—Steve L. Marriott having plans drawn for 7-room residence.

Tex., San Antonio—H. A. McKenzie, Travis Bldg., erect \$20,000 residence, Oakmont St.; 12 rooms.

Tex., San Antonio—Mrs. A. Marnilli, care Will N. Noonan Co., Archts., Builders Exch. Bldg., receives bids Sept. 17 for brick veneer residence, 1600 block W. Mistletoe Ave.; 7 rooms, 2 baths.

Tex., Seguin—Arno Breustedt erect 1-story frame residence; Marvin Eickenroht & Bartlett Cocke, Archts., Maverick Bldg., San Antonio.

Va., Richmond—R. M. Jeffries erect \$40,000 brick residence and garage, 1806 Monument Ave.

## Government and State

Ala., Anniston—U. S. Government clearing site for 21 mess halls, Fort McClellan; frame, 1-story, 20x82 ft., conc. floors and foundations, paper rooves; plans by Q. M. 4th Corps Area, Fort McPherson, Atlanta, Ga.; Staff Sergt. John E. McConnell, Engr., Fort McClellan; will not let contract.

Ala., Athens—State let contract to P. S. Duckworth, Cullman, for \$12,000 agricultural experiment station. 8-15

Ark., Clarksville—Arkansas National Guard, Little Rock, opens bids about 30 days for brick, stone and conc. armory; \$20,000, 2 stories, 70x100 ft., conc. and wood floors, conc. foundation, comp. roof. Address Duward F. Kyle, Archt., National Bldg., Pine Bluff. 6-20

N. C., Bessemer City—R. C. Kennedy erect building, section to be leased for post office.

N. C., Fort Bragg—Constructing Quartermaster, Capt. Lawrence L. Simpson, has low bid at \$27,250 from W. P. Rose Co., Wayne Natl. Bank Bldg., Goldsboro, for ammunition magazines and connecting roads. 8-1

Tex., Randolph Field, Schertz—Constructing Quartermaster, Capt. A. W. Parker, has low bid at \$3,299,000 (Unit 1) from Murch Bros. Construction Co., Railway Exch. Bldg., St. Louis, Mo., for first unit of \$14,000,000 flying school, Seguin Road. 8-22

Tex., Sabine Pass—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., selected site near First Ave. for \$375,000 quarantine station. 4-18

Tex., San Antonio—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., bids until Sept. 20 for conc. stairway, hoistway, etc., postoffice; terrazzo flooring, new partitions.

Tex., Waco—State Board of Control, R. B. Walthall, Chmn., Austin, erect \$20,000 employees' dwelling and \$19,000 hospital, State Home for Neglected and Dependent Children.

Va., Fort Humphreys—Constructing Quartermaster, Capt. Geo. F. Hobson, has low bid at \$199,999 from W. P. Thurston Co., Water & Ash Sts., Richmond, Va., for 27 non-commissioned officers' quarters. 8-8

Va., Portsmouth—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., erect post office; \$150,000 available.

## Hospitals, Sanitariums, Etc.

Ark., Little Rock—Pulaski County, W. F. Sibeck, Judge, selected Wittenberg & Delony, Home Ins. Bldg., as architects for \$150,000 brick and stone hospital. 7-18

Fla., Lake Wales—Lake Wales Hospital Assn. has low bid at \$54,250 from Paul H. Smith, Haines City, for hospital; George E. Jacobs, Archt., Lake Wales; A. D. Taylor Offices, Landscape Archts., Woolworth Bldg., Orlando, Fla., and 4614 Prospect Ave., Cleveland, Ohio. 8-29

Fla., Tampa—A. D. Brewer, St. Petersburg, considering establishing solarium, Davis Island.

Fla., Ybor City, Tampa—Medical Building Co., Inc., 1915½ 14th St., erect \$35,000 clinic; 2 stories, 95x50 ft.; F. J. Kennard & Son, Archts., Citizens Bank Bldg., Tampa; date of bids not determined. See Want Section—Building Material and Equipment.

Ga., Swainsboro—Dr. R. C. Franklin and associates erect \$35,000 hospital; brick, conc. footings, 2 stories and basement 72x140 ft. and 60x40 ft. hardwood floors steam heat, comp. roof; J. C. Sutton Construction Co., Contrs.



Mo., Jefferson Barracks, St. Louis—U. S. Veterans' Bureau, L. H. Tripp, Ch. Const. Div., Arlington Bldg., Washington, has low bids at \$146,270 from Wm. MacDonald Construction Co., 3626 Humphry St., St. Louis, for M. O. C. residence and two duplex personnel houses, including road, walks and drainage, U. S. Veterans' Hospital. 8-22

Mo., St. Louis—St. Louis Baptist Hospital, Dr. J. C. Bram, Supt., 4518 Washington Blvd., remodel Central Hospital branch; 5 stories, brick; \$250,000; Aegerter & Bailey, Archts., Railway Exchange Bldg.

Mo., Excelsior Springs—U. S. Veterans' Bureau, L. H. Tripp, Ch. Const. Div., Arlington Bldg., Washington, D. C., probably start work soon after Nov. 15 on \$900,000 addition, U. S. Veterans' Hospital; tentative plans call for administration and recreation building 162 ft. long, 45-room nurses home, M. O. C. quarters, and officers' quarters; 175 additional beds. 7-26-28

N. C., Greensboro—Guilford County Board of Commrs. consider erecting \$50,000 to \$100,000 tuberculosis hospital; Dr. J. L. Spruill, Supt., Guilford County Sanatorium.

N. C., Thomasville—City Memorial Hospital, Dr. C. H. Phillips, member, receives bids Sept. 17, \$100,000 hospital; Chas. C. Hartmann, Archt., Jefferson Bldg., Greensboro; following contractors estimating: On general contract, R. K. Stewart & Son, 154 S. Main St., High Point; J. R. Owens & Son, 1006 W. Lee St., Walter Kidde & Co., George W. Kane, both Jefferson Bldg.; J. L. Crouse, American Bank Bldg., Angle-Blackford Co., American Bank Bldg., all Greensboro; Gray Concrete Co., Thomasville; Burrow & Lamb, Asheboro; J. P. Little & Son, Builders Bldg., R. L. Goode Construction Co., 11 E. Fifth St.; On heating and plumbing, W. W. Dick, 246 Bellemeade St., Hunt Bros., 404 Walker Ave., B. A. MacKenzie, Harry G. Biddell, both Jefferson Bldg., Crutchfield-Sullivan Co., 311 S. Green St., all Greensboro; Thomasville Plumbing & Heating Co., Henry E. Langley, both Thomasville; On electric wiring, Walker Electric Co., 424 Church St., Harold D. Ross, 518 N. Elm St., Michael & Bivens, Inc., 218 W. Market St., W. P. Christian, 718 Percy St., all Greensboro; Clinard Electric Co., 120 College St., High Point; On elevators, Westbrook Elevator Manufacturing Co., Spring St., Danville, Va.; Houghton Elevator Co., 679 Spencer St., Toledo, Ohio; Otis Elevator Co., 322 S. Davis St., Greensboro. 4-25

Okla., Clinton—State Board of Affairs, G. C. Wollard, Chmn., erect \$12,000 addition to ward, Western Oklahoma Tuberculosis Hospital; Joe I. Davis, Archt., both Oklahoma City.

Tenn., Brownsville—Chamber of Commerce, J. M. Jackson, member, interested in erecting hospital; W. R. Wills, Pres., National Life & Accident Insurance Co., Nashville, has donated \$60,000 to Haywood County.

Tex., Dallas—Dr. D. N. Hestand, owner Hestand Hospital, Sherman, considering erecting 4-story hospital.

Tex., Houston—City of Houston and Jefferson County may soon call special election on bonds; may include amounts for Jefferson Davis Hospital.

Tex., Sanatorium—State Board of Control, R. B. Walthall, Chmn., Austin, erect warehouse, State Tuberculosis Hospital; conc., 1 story, 60x110 ft.; Phelps & DeWees, Archts., Gunter Bldg., San Antonio. 8-15

Tex., Seguin—Seguin Hospital Corp., care Ralph Gurke, Gunter Bldg., San Antonio, has low bid at \$21,082 from Albert Nolte for conc., frame and tile hospital, 1 story; Phelps & DeWees, Archts., Gunter Bldg., San Antonio.

### Hotels and Apartments

Ala., Gadsden—Gray Bros., 802 N. 41st St., Birmingham, and associate, erect 36-unit apartment building.

Ala., Montgomery—Carling Dinkler, Andrews Drive, Atlanta, and Dr. S. D. Suggs, Sheppard Bldg., owners, plan 75- to 100-room addition to Jefferson Davis Hotel; preliminary plans in progress by Frederick Ausfeld, Archt.

Ark., Forrest City—Petter & McAninch, Archts., Little Rock, announced plans are completed for \$750,000, 8-story and basement hotel; brick, steel, rein. conc., stone trim; 75 guest rooms; steel casements in all bedrooms. 2-7

Ark., Hardy—George Woolam acquired Wahpeton Inn and 542 acre tract; erect large hotel adjoining inn.

Ark., Jonesboro—Noble Hotel Co., E. B. Noble, Pres., erect new hotel or improve present structure.

Ark., Newport—Noble Hotel, E. B. Noble, Pres., operating hotel at Blytheville, Jonesboro, Eureka Springs, Ark., and Jackson, Miss., soon erect 4-story, 100-room hotel.

D. C., Washington—David A. Baer and Robert O. Scholz, Archts., both Edmond Bldg., applied for permit to erect \$400,000, 5-story, brick and conc. addition to apartment, 3700 Massachusetts Ave., N. W.

Fla., Dunedin—Hotel Investment Corp. purchased Fenway Hotel; remodeling and painting.

Fla., Miami Beach—Roney Plaza Hotel soon take bids on swimming pool, etc.; Robert A. Taylor, Archt., 416 Espanola Way.

Fla., St. Petersburg—Mrs. Dwight D. Chase changed name of Madrid Hotel to Hotel Concord; remodel.

Md., Crisfield—Organization Committee headed by T. Edward Webb plans hotel on O. L. Tawes property, Main and Fourth Sts.; \$125,000 to \$140,000; 4 stories, 5 rooms, lobby, dining room, ballroom, 6 stores.

Mo., Springfield—John Landers Estate plans to start work in 30 days on \$300,000 improvements to 135-room Colonial Hotel, operated by Colonial Hotel Co., Charles Sansome, Pres.; plans by Earl Hawkins, Archt., McDaniel Bldg., include remodeling basement, new entrances, tile floor in lobby, new lighting fixtures, radio connection, electric fans, bath and shower in all rooms, enlarging coffee shop, redecorating and refurbishing, erecting 25 or more sample rooms on 5th floor, constructing new roof.

Mo., St. Louis—William P. McKnight, 6301 Clayton St., purchased site northeast corner Newstead Ave. and W. Pine St.; erect \$500,000, 15-story apartment to contain 3-4- and 5-room efficiency units; plans being drawn by Preston J. Bradshaw, Archt., 718 Locust St.

N. C., High Point—H. A. Moffit, N. Main St., plans \$500,000 hotel; 12 stories and basement, steel frame, brick and tile walls, stone trim, built-up roof; Herbert B. Hunter, Archt., 116 N. Main St.

N. C., New Bern—North Carolina Hotel Co., reported, award contract in two weeks for \$680,000 hotel; 12 stories, 200 rooms; H. A. Underwood Co., Archt., 101-05 Hotel Carolina Bldg., Raleigh. 6-2

Okla., Anadarko—E. H. Eads & Co., Archts., Chickasha, have plans out soon for \$75,000 hotel; 3 stories, 100x150 ft., brick and conc., conc. foundation, conc. roof, conc. floors wood finished, steam heat.

Okla., Tulsa—R. M. Lear, 1010 S. Detroit St., has plans in progress for 2-story and basement apartment, 50x80 ft., brick veneer; S. S. Baker, Archt.

Okla., Tulsa—Mrs. H. G. Nething, 1523 13th St., will ask bids in Oct. on \$225,000 apartment, 17th Place and Utica Ave.; Spanish type, 150 ft. frontage, 28 suites, steam heat, in-a-door beds, electric refrigeration, radio connections in each apartment; F. W. Redlich, Archt., Court Arcade Bldg. 7-18

S. C., Florence—W. R. Barringer Hotel Co., will have plans and specifications ready by Oct. 16 for \$600,000 hotel; 12 stories, fireproof; first floor to contain lobby, coffee shop, hotel office; main dining room, writing rooms, ladies parlor and ball room to be on mezzanine; 170 rooms each with bath and shower; bedrooms and public spaces to have running ice water and two-program radios; H. A. Underwood Co., Archts., 101-05 Hotel Carolina Bldg., Raleigh, N. C. 9-5

Tex., Big Spring—W. R. Settles ready for bids in about 30 days for \$400,000, 14-story, brick, tile, steel and rein. conc., 100-room hotel; David S. Castle Co., Archt., Alexander Bldg., Abilene. 8-15

Tex., El Paso—Harry L. Hussmann, 502 San Francisco Ave., plans asking bids on \$125,000 apartment house; 3 apartments, each with living room, kitchenette, dressing room and enclosed sleeping porch; Guy L. Fraser, Archt., Martin Bldg.

Tex., Fredericksburg—R. L. Kott, owner, plans addition to Nimitz Hotel.

Va., Harrisonburg—O. M. Masters, National Bank Bldg., receives bids Oct. 1, to be addressed to Harrisonburg Building & Supply Co., Carl J. Frank, Estimating Engr., for Alexandria Spotswood Hotel; concrete superstructure, bar joist concrete slab, brick and limestone walls; Charles M. Robinson, Robinson, Archt., Times-Dispatch, Bldg., Richmond. See Want Section—Building Material and Equipment. 4-4

Va., Martinsville—Finley McCoy Co., Church St., excavating for \$75,000 apartment house for R. S. Brown and S. S. Stephens; fireproof, steel and cement; furnishings cost \$10,000; J. Bryant Heard, Archt., Danville. See Want Section—Building Material and Equipment, also Machinery and Supplies. 8-29

### Miscellaneous

Ark., Fort Smith—Rosalia Tilles Childrens Home soon have plans ready for \$10,000 annex; fireproof, 2 stories and basement, brick; Bassaham & Wheeler, Archts., Kennedy Bldg. 6-20

Ark., Mena—Gulf Club plans new clubhouse.

Fla., Miami—Miami Amusement Park, 602 Seybold Bldg., plans buildings S. W. 17th Ave. and Coral Way.

Mo., St. Louis—New York sections of Catholic Women's Union and Catholic Central Verein of America, Fred P. Kenkel, Director, 3835 Westminster Place, New York, voted in favor of erecting \$250,000 library as memorial to Catholic Central Verein.

Mo., St. Louis—W. H. Lambert, 740 Oakland St., organizing Ozark Club for establishment exclusive country club; have options on land, Highway 21, Bellevue Valley, Washington and Iron Counties; plan aviation field, 8-hole golf course, polo field; architects now preparing plans for clubhouse to contain on first floor lounge room and promenade, combined ballroom and little theatre, kitchen, laundry, dining room and on second floor men's dormitory and bedrooms; locker house, stable and garage facilities also planned.

N. C. Wilmington—W. E. Yopp, 211 Princess St., construct combination funeral home and residence.

Tenn., Bemberg, Elizabethton—Directors of American Bemberg Corp. and American Glanzstoff Corp., Max Korff, Vice-Pres., appropriated \$75,000 for recreation building; to include large auditorium, basketball and volley ball courts, indoor baseball diamond.

Tex., Dallas—Catholic Women's League, Mrs. Barry Miller, Mercantile Bank Bldg., Chmn., Bldg. Comm. erect \$75,000, 3-story, 72x120-ft., steel and brick, fireproof building, 2520 Ross Ave., for St. Rita's Club; Colonial type, swimming pool in basement; L. H. Rapier, Archt., 212 W. Montana St.

Tex., Dallas—Dallas Public Market, Inc., Col. Alvin M. Owsley, Pres., will request bids in about 90 days on \$1,500,000 public market on old Cole Estate near Haskell Ave.; building to be 190x71 8ft.; basement, 150x190 ft., to contain incinerator, abattoir, refrigeration and heating plant; first floor to contain merchants stalls and toilets; mezzanine floor, offices and rental space; rein. concrete foundation, walls of face brick trimmed with stone backed with common brick fire tile; steel sheathed roof covered with fireproof material with ventilators mechanically operated; rein. concrete floor covered with terrazzo; steel framework, building and stalls; three coats of paint for entire project; Lang & Wittich, Archts., American Exchange Bank Bldg. 5-23

Tex., Houston—B. N. Garrett, Electric Bldg., erect country club in connection with improvement of Ingrand Marsh; entire project cost \$400,000.

### Railway Stations, Sheds, Etc.

La., New Orleans—Louisiana Public Service Co. formally approved general plans of Illinois Central R. R., A. E. Blaess, Ch. Engr., Chicago, for erecting \$4,500,000 passenger terminal, Rampart St. and Howard Ave., and directed railroad to submit within four months new and detailed plans containing modifications suggested by commission. 9-13-28

### Schools

Ala., Montgomery—Board of Education, W. R. Harrison, Supt., has plans in progress for addition to North Montgomery School (Colored), Lower Wetumpka Rd., Loveless School (Colored), Jeff Davis Ave. and for remodeling building, Lawrence and McDonough Sts.; Frederick Ausfeld, Archt., Shepherd Bldg.

Ark., Briceys—Board of Education have plans ready soon for school; 2 stories, 46x73 ft., rein. conc. and steel, brick veneer; Estes W. Mann, Archt., Cotton Exchange Bldg., Memphis, Tenn.

Ark., Hot Springs—Hot Springs School Board, D. O. Sims, Pres., acquired sites and will erect schools at South Hot Springs and on Malvern Road.

D. C., Washington—Department of Interior, John H. Edwards, Asst. Sec., receives bids, in duplicate, Oct. 10 for Women's Dormitory Building No. 1 at Howard University; bids may also be submitted for Dormitory Buildings Nos. 2, 3, 4 and 5; no contracts for these can be awarded until Congress makes appropriation; all 5 stories, brick; plans from Chief Clerk of Dept.; A. I. Cassell, Archt. for University. 8-8

Fla., Fort Lauderdale—Broward County to vote Sept. 14 on \$370,000 school bonds; Everett H. Hunt, Attorney for School Board.

Ga., Atlanta—Agnes Scott College, Dr. J. R. McCain, Pres., have plans ready about Sept. 20 for \$250,000 classroom and administration building; rein. conc., brick walls, tile partitions, slate and built-up roofing; Indiana limestone trim, tile and cement floors, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg.

Ga., Atlanta—Fulton County School Board will request appropriation of \$240,000 for erecting high school at Buckhead.

Ga., Fairburn—Bd. of Education, M. D. Collins, Sec., has low bid at \$39,900 for 1-story and basement, brick high school; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta. 7-18

Ky., Clinton — School Board improve schools.

La., Algiers, Sta. New Orleans—Orleans Parish School Board, E. A. Christy, Supervising Archt., have plans ready in about a week for Martin Behrman School, Opelousas Ave. between Vallette and Belleville Sts.; fireproof, 3 stories, rein. conc., brick and stucco, pile foundation, built-up comp. and tile roof, struct. steel and iron, tile and marble, steel sash, sheet metal, 40 classrooms, tower 100 ft. high, with clock. 6-20

La., Monroe—Ouachita Parish School Bd. receives bids Oct. 8 for \$30,000, 1-story, rein. conc., brick and stone trim, 6-classroom addition to Lida Benton School; call for bids in about 2 weeks for 1-story, stucco, 6-classroom grade school; J. W. Smith & Associates, Archts., Ouachita Natl. Bk. Bldg. 8-8

La., Morgan City—Wm. R. Burk, Archt., Balter Bldg., New Orleans, soon have plans ready for \$40,000 parochial school, Sacred Heart of Jesus Congregation, Rev. Father A. Souby, Rector; 2 stories, rein. conc., brick and stone trim, rein. conc. foundations.

Md., Baltimore—Board of Awards receives bids in duplicate Sept. 24 for Highlandtown School, 18th St., Foster Ave. and Falt Ave.; \$230,000, 3 stories and basement, 185x62 ft., conc., brick, stone trim, fireproof, built-up roof, wood and cement floors; drawings and specifications at office H. J. Leimbach, Supvg. Engr., Public Improvement Comm., 324 City Hall; H. F. Jory, Archt., Munsey Bldg.; H. G. Perring, Struc. Engr., Court Square Bldg.; James Posey, Mech. Engr., 201 W. Franklin St. 8-29

Miss., Belzoni — Belzoni Consolidated School District of Humphreys County, T. E. Mortimer, Pres., Board of Trustees, receives bids until Sept. 21 for \$65,000 school; E story, brick and stone trim, rein. conc. foundation, plastered interior, built-up comp. roof; 10 classrooms and auditorium to seat 800, cafeteria, music and expression rooms; plans from office of president or from Shaw & Woleben, Archts., Gulfport.

Miss., Columbus—Pauline Wynn, Director of Religious Activities, raising funds for \$30,000 student activities building, Mississippi State College for Women.

Miss., Corinth—Alcorn County Bd. of Education, T. J. Datton, Supt., receives bids Sept. 23 for \$12,000 school in Farmington Consolidated School Dist. 8-22

Miss., Goodman — Holmes County voted \$125,000 bonds for improving Holmes Agricultural High School and Junior College; including 2-story brick dormitory and auditorium addition to present administration building; also for superintendent's home and 3 or 4 cottages. 8-22

Miss., Hattiesburg — Mississippi Building Commission, Jackson, have plans ready for bids latter part Sept. for \$14,000 power plant, State Teachers College; Vinson B. Smith, Archt., preparing plans.

Miss., Prentiss — Prentiss Consolidated School District voted \$15,000 bonds for elementary school; 1 story, rein. conc. and brick, built-up comp. roof; bids in Sept. 11.

Miss., Ripley—Tippah County Bd. of Ed., G. C. Humphreys, Supt., erect high school, between Ripley and Blue Mountain.

Miss., Scooba—Kemper County voted \$50,000 bonds for erection of Junior College here.

Mo., St. Louis—Board of Public Service, 208 City Hall, receives bids Sept. 24 for laundry building, St. Louis Training School.

N. C., Asheville—Buncombe County Board of Education, A. C. Reynolds, Supt., considering erecting high school to accommodate pupils from Enka and from Candler, Johnson, Sand Hill and Venable districts.

N. C., Glade Valley—Board of Trustees of Presbyterian School, McBride Holt, Chmn., approved tentative plans for \$50,000 building; 2 stories, fireproof; include classrooms, as-

sembly hall, gymnasium; W. L. Brewer, Archt.

N. C., Stony Fork—Buncombe County Board of Education, A. C. Reynolds, Supt., Asheville, plans school; plans by Wm. J. East, County Archt.

N. C., Winston-Salem—Board of School Commrs., George W. Coan, Jr., Mayor, receives bids Sept. 17 for heating and ventilating equipment for South Junior High School; plans and specifications from Wiley & Wilson, Consulting Engrs., Lynchburg, Va. 9-5

Okla., Edmond — Central State Teachers College has plans completed for heating plant; \$65,000; Drury Mosely, Archt., Oklahoma City.

Okla., Shawnee—Acme School Dist. erect \$15,000 school; brick, conc., 1 story, 160x60 ft.; A. C. Davis & Sons, Archts.

Okla., Tahlequah — Northeastern State Teachers College has plans complete for \$12,000 remodeling administration bldg., Joe I. Davis, Archt., First Natl. Bank Bldg., Oklahoma City. 8-29

Okla., Tulsa—Board of Education, W. H. Hendee, Sec., soon have plans ready for Carver Junior High School; 32x60, brick and rein. conc., 1 story; also for Dunbar School addition; tile and rein. conc., brick, 1 story, 5 rooms, 39x65 ft.; Leland I. Shumway, Archt., Alexander Bldg.

Okla., Tulsa—W. A. Cease erecting store, lodge and manufacturing bldg.; 2 stories and basement, 100x140 ft., brick and rein. conc.; S. S. Baker, Archt., Oklahoma Construction Co., Contr., Oklahoma Natl. Gas Bldg.

Tenn., Bolivar — Hardeman County votes Oct. 5 on \$100,000 bonds for schools.

Tenn., Chattanooga — School Commission selected J. G. Gauntt, Miss. Ridge, as architect for addition to Missionary Ridge School; 4 classrooms and auditorium.

Tenn., Troy—Obion County Board of Education probably rebuild school at Cloverdale, burned at \$22,000 loss.

Tex., Angleton — Angleton Independent School District Trustees, E. E. Delaney, Sec., have low bid of \$74,400 from Meriwether & Sauers, Harlington, for addition to high school and low bid of \$29,350 for addition to grade school; Giesecke & Harris, Archts., Second Natl. Bank Bldg., Houston; H. M. Sanford, Engr., Eperson Bldg., Houston. 8-15

Tex., Austin—University of Texas Board of Regents, J. W. Calhoun, Comptroller, receives bids Sept. 30 for system of concrete heating tunnels and system of steam and water piping for tunnels.

Tex., Austin—State Board of Control, R. B. Walthall, Chmn., have preliminary plans in progress for \$50,000 dormitory and \$25,000 employees dining room at Austin State School; also for \$20,000 ice house; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Dallas — Saint Edwards University, Dr. Joseph Burke, Pres., Austin, considering relocating in Dallas.

Tex., Denton—School Board, W. T. Doggett, Supt., erect \$25,000 gymnasium.

Tex., Groveton — Groveton Independent School Dist. votes Sept. 21 on \$34,000 bonds.

Tex., Hayes Center—Hayes County High School Dist. votes Sept. 14 on \$30,000 bonds for school.

Tex., Laredo—Laredo Ind. School Dist. Bd. of Trustees, J. C. Martin, Pres., ready for bids for \$125,000, 2-story, L-shape, 206x155 ft., 18-classroom and auditorium; L. J. Christen School and \$55,000, 2-story, 140x64 ft., 12-classroom Fourth Ward School; brick, rein. conc. comp. wood, tile and linoleum floors; Giesecke & Harris, Archts., Norwood Bldg., Austin; Lloyd D. Royer, Consit. Mech. Engr., Smith-Young Tower.

Tex., Lufkin—Lufkin Independent School District voted \$40,000 bonds for gymnasium and auditorium, Kurth ward school; Shirley Simons, Archt.

Tex., Sonora—Bd. of Education, Roy Aldwell, erect \$125,000, 2-story, brick and rein. conc., 12-room and auditorium high school; probably call for bids in Dec.; Anton F. Korn, Archt., Thomas Bldg., Dallas; B. M. Morgan, Asso. Archt., San Angelo. 7-4

Tex., San Antonio—Los Angeles Independent School Dist., Dr. G. S. Hays, Pres. School Board, receives bids Sept. 17 for Los Angeles Heights high school, Redondo & Colonial Drive; 3 stories, brick, rein. conc. hollow tile, tar and gravel roof, steel sash; \$140,000; irregular shape, two wings; Harvey P. Smith, Archt., National Bank of Commerce Bldg.; W. E. Simpson Co., Engrs., Milam Bldg.

Va., Montpelier Station—Hanover County School Board employed Luther P. Hartsook

to draw plans for high school to replace burned structure; 1 story, fireproof.

W. Va., Benwood—Union District Board of Education, H. C. McKinley, Supt., contemplates special election on \$125,000 to \$150,000 bonds for erecting 6-room grade school at McMechen, 6-room addition and remodeling of gymnasium at Union High School, Benwood, and remodeling High School at Sherrard; A. F. Dayton, Archt., 1506 Market St., Wheeling.

W. Va., McMechen—See W. Va., Benwood.

W. Va., Sherrard—See W. Va., Benwood.

## Stores

Ala., Birmingham—S. D. Walker, First Natl. Bank Bldg., erect store, 76th St. and First Alley; brick and stone, 1 story, 50x80 ft.; Brooke B. Burnham, Archt., Comer Bldg.

Ark., Harrison—J. W. Bass has option on building; plans \$15,000 improvements.

Fla., Miami Beach—Malone Properties, 124 23rd St., plan store, 23rd St. and Collins Ave.; archt. not selected.

Ga., Atlanta—Massell Realty Co., 61 Poplar St., plans store, Cain St.; \$25,000; 2 stories.

Mo., St. Louis—Broadhead Co. has permit for \$15,000 salesroom, 3401-3 Washington St.; 54x124 ft., comp. roof, 1 story; Plummer Bros., Contrs., 1123 Chestnut St.; E. Giesler, Archt.

Okla., Tulsa—J. W. Pickford has preliminary plans in progress for 1-story store; 100 x140 ft., brick and tile; John V. Starr, Archt., 512 S. Victor St.

Tenn., Knoxville — B. H. Sprinkle, 908 Temple Ave., erect business building, Cumberland Ave. and 19th St.; 100x50 ft., 2 stories, brick and conc.

Tenn., Memphis—John Kimbrough, Exchange Bldg., erect \$15,000 store, Union Ave. & Willett St.; conc., 1 story, built-up roof; H. M. Burnham, Archt., Goodwyn Inst.

Tex., Amarillo—McCrory Stores, Inc., 1107 Broadway, New York, erect \$250,000, 2-story store; advises temporarily held in abeyance.

Tex., Austin—Sears, Roebuck & Co., Chicago, establish store.

Tex., El Paso—J. D. McGregor & Sons, Inc., Mills Bldg., purchased business block, Santa Fe and San Francisco Sts.; make improvements.

Tex., Pasadena—E. F. DeFee erect store, Main St. south of railroad tracks.

Tex., Richland Springs—J. L. Burleson plans building.

Tex., Uvalde—Mrs. E. B. Smith erect business building, Getty and South Sts.

W. Va., Weston—Andrew Edmiston, Jr., announced plans nearly completed for \$60,000 business block, Main Ave.

## Theaters

S. C., Aiken—M. E. and B. F. Holley, Commercial Hotel, considering erection of theater.

Tex., Fredericksburg—Group of local business men erect opera house to be operated by John Stahl; building to include stores and offices.

Va., Lynchburg — Publix Theatres Corp., Paramount Bldg., New York, reported, erect theatre, site of car shed of Lynchburg Traction & Light Co., Main St.

## Warehouses

D. C., Washington—Congress authorized but made no appropriation for \$1,750,000 warehouse at Navy Yard; Col. U. S. Grant, 3rd. Director, Office Public Buildings and Public Parks of the Natl. Capital; J. C. Mehaffey, Chief of Engineering Division; plans not made; further action depends upon appropriation.

Ga., Douglas—J. W. Sikes erect 1-story, brick warehouse; probably by day labor.

La., Monroe—Louisiana Gas & Fuel Oil Co., received low bid of \$15,868 from Werner Co., Commercial Bank Bldg., Shreveport on foundation work for warehouse and garage.

La., Natchitoches—Avoyelles Grocery Co., J. C. Eford, Mgr., reported, rebuild burned warehouse; \$100,000, 2 stories, brick.

N. C., Durham—Bernice B. Bowles, Geer Bldg., rebuild burned warehouse.

Okla., Oklahoma City—Standard Roofing Co., 24th & Broadway, repair burned warehouse; \$25,000; private plans.



## BUILDING CONTRACTS AWARDED

## Association and Fraternal

Tex., San Antonio—Army Lodge, No. 1105, A. F. & A. M., let contract, \$21,174, to H. E. Rheiner & Son, 305 Wyoming St., for brick, hollow tile, rein. conc. temple, Grayson St.; 2 stories; Will N. Noonan Co., Archts., Builders Exch. Bldg.; W. E. Simpson & Co., Engrs., Millam Bldg. 8-8

## Bank and Office

Ala., Birmingham—Union Carbide & Carbon Co., 30 E. 42nd St., New York, let contract to A. J. Honeycutt Co., Martin Bldg., for \$50,000 office bldg.; brick, stone trim, 2 stories, 43x161 ft., built-up roof, steam heat; Chas. H. McCauley, Archt., Jackson Bldg., both Birmingham. 8-1

Fla., Jacksonville—Dr. T. S. Roberts, Pres. Monticello Drug Co., Viaduct St., organized Monticello Construction Co. to erect 7-story and basement office building, W. Adams St. near Hogan; \$200,000, 57x90 ft., stone up to second floor window sills, light colored brick above; steel frame, terrazzo, oak and tile floors, wood floor construction, steel windows, wire glass, automatic sprinklers, two high speed passenger elevators, circulating ice water; stores on first floor; Mellen C. Greley, Archt., 32 W. Forsyth St. 7-18

Ga., Atlanta—Fourth National Bank's \$750,000 addition to 16-story building; Barge-Thompson Co., Contr., 138 Ellis St., N. E., advises buildings on site being wrecked, plans not complete, sub-contracts not let; Pringle & Smith, Archts., Norris Bldg. 8-1

Ky., Louisville—Coral Ridge Clay Products Co., Louisville, has contract for 4400 tons hollow tile and 150,000 common brick for \$1,600,000 addition to general office building for Louisville & Nashville R. R. Co.; plans by J. C. Haly, architect on staff of Chief Engr.; United Engineers & Constructors, Inc., Contrs., 112 N. Broad St., Philadelphia, Pa. 8-1

Md., Baltimore—Building & Loan Association of Baltimore City erect \$10,000 building, 2546 Edmondson Ave.; brick, 1 story, 55x49.8 ft., slag roof, vapor heat; Carl F. Strohmeier, Archt., Calvert Bldg.; Abraham Goodman, Contr., 2000 Whittier St. 8-2

Miss., Meridian—American & Venetian Marble Co., 615 Julia St., New Orleans, La., has terrazzo flooring contract for \$7,000 to \$1,000,000 Threefoot Building for Threefoot Realty Co.; R. H. Lindsley, Archt., Lamar Bldg.; Jackson; Frank Port, Asso. Archt., Meridian; Garber & Lewis, Contrs., Medical Arts Bldg., Jackson, Miss. 8-22

Mo., St. Louis—Lowell Bank, Warne and Florissant Ave., let contract to H. Kissel's Sons, 4197 W. Florissant Ave., to remodel bldg.; Wedemeyer & Nelson, Archts., Wainwright Bldg. 9-5

N. C., Greensboro—D. R. and L. E. Yates erect brick veneer office and store bldg., 415 Lindsay St.; \$10,000, 2 stories, 12 offices, 2 stores; day labor. 9-5

Tex., Port Arthur—Spence & Howe Construction Co., 613 Adams Bldg., has piling contract for \$250,000 First National Bank building; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg., New Orleans, La.; Christy-Dolph Construction Co., Construction Industries Bldg., Dallas, Tex., and O. W. Collins, 1643 Norfolk St., Houston, Tex., contractors. 9-5

## Churches

Ark., Nashville—First Baptist Church erecting 1-story annex; brick veneer, wood floors, comp. built-up roof. 9-5

La., New Orleans—Christ Church erect brick building, Caffin Ave. near Royal St.; struct. and rein. steel, asbestos roof; Karl Plesch, Contr., 1736 Fourth St. 8-15

Mo., St. Louis—Arthur Maier Plumbing Co., 3653 Gravois Ave., has plumbing contract for \$100,000 Grand Ave. M. E. Church, South, church and Sunday school; Ferrand & Fitch, Archts., 6188-A Delmar Blvd.; Fruin-Colnon Contracting Co., Contrs., Merchants-Laclede Bldg. 8-15

N. C., Charlotte—North Charlotte Presbyterian Church erect \$18,000 bldg., 32nd and Myers Sts.; brick veneer, 8 rooms; Lewis C. Ellis, Archt., Coml. Bk. Bldg.; L. L. Herrin, Contr., 23rd St. 8-15

N. C., Durham—Duke Memorial Methodist Church let contract at \$24,972 to Home Construction Co., to remodel Sunday school; C. M. Euler, Archt., First Natl. Bank Bldg. 8-15

N. C., Pinehurst—Byrd Bros. and Shaw Contrs., Lillington, have contract for \$70,000 Pinehurst Community Church, I. C. Sledge, Chmn. Bldg. Committee; brick, stone trim, Colonial type; Henry Barton, Archt., Jefferson Bldg., Greensboro. 6-20

Tenn., Knoxville—Beth El Congregation, Vine St. and Broadway, let contract to B. T. Thomas Co., Church St., for conc. and brick community center; wood joists, 2 stories and basement, 43.2 x 69.10 ft., maple and oak floors, conc. foundation, 10-year built-up roof; W. A. Rutherford, Archt., Kingston Pike. 8-29

Tenn., Nashville—St. Mary's Church erect \$50,000 parish house, 328 Fifth Ave., N.; 3 stories and basement; Foster & Creighton Co., Contr., 4th and 1st Bldg. 8-29

Tex., Commerce—First Methodist Church started work on \$25,000 Sunday school; 2 stories and basement; expend \$5,000 to remodel auditorium. 8-29

Tex., El Paso—Immanuel Baptist Church remodel building, 1214 Stevens St.; J. W. Chambers, Contr. 8-29

Tex., Houston—Third Presbyterian Church let contract to James M. L. West, Post-Dispatch Bldg., for \$25,000 building Studwood and E. 14th Ave.; hollow tile and brick, 2 stories, 45x88 ft. 8-29

Tex., Laredo—Roman Catholic Church started work on \$50,000 building; brick, about 80 x 150 ft. 8-29

Tex., Panhandle—Methodist Church erecting \$30,000 brick building; 75x47 ft., auditorium and balcony seat 400 persons. 8-29

Tex., Richland Springs—Church of Christ erect brick and tile building; contract let. 8-29

Tex., San Antonio—West Texas Episcopal Church Diocese let contract to W. E. Wilkins, 1016 Gladstone St., for \$10,000 parish house, Clover Leaf Ave. near Broadway; 1 story, field stone veneer; Richard Vander Straten, Archt., Travis Bldg. 8-22

Tex., Temple—First Presbyterian Church let contract to C. W. Ennis, 3219 1/2 Louisiana St., Houston, at \$27,986 for brick veneer and conc. building, French Ave. and N. First St.; 1 story and basement, 90x42 ft., red asbestos shingle roof; Charles P. Jones & Co., Archts., Binz Bldg., Houston; later erect manse. 3-21

## City and County

Ark., Lewisville—Lafayette County let contract to J. N. O'Neal, Hope, Ark., to remodel courthouse; jail on second floor; brick and conc.; \$55,000; Geo. R. Mann, Wanger & King, Archts., New Donaghey Bldg., Little Rock. 8-1

D. C., Washington—M. O. Bull, Queen Chapel Rd., has permit for \$14,000 public branch library, 2706 Rhode Island Ave., N. E.; brick and stone, 1 story. 8-1

La., Harrisonburg—Catahoula Parish Police Jury let contract at \$120,158 to Tudor & Ratcliff for fireproof courthouse; rein. conc., brick, stone trim, 4 stories; low bid from Pauly Jail Building Co., 2215 DeKalo St., St. Louis, Mo., at \$17,345, for jail equipment; J. W. Smith & Associates, Archts., Ouchita Bank Bldg., Monroe. 8-1

La., Monroe—City let contract to W. C. Salley for brick fire station; 1 story, 51x34.6 ft., cement floors, conc. foundation, tile roof; J. W. Smith & Associates, Archts., both Ouchita Natl. Bank Bldg. 9-5

Md., Baltimore—City let contract at \$16,544 to Avon Construction Co. to repair shot tower; Charles F. Goob, Chief Engr. 9-5

Mo., St. Louis—City let contract at \$32,000 to Kellermann Contracting Co., Buder Bldg., for gymnasium on roof of Children's Building; fireproof, steel truss, 50x100 ft., wood floors, slate roof; Albert Osburg, Archt.; L. R. Bowen, Engr., both City Hall. See Want Section—Building Material and Equipment. 8-22

N. C., Charlotte—W. T. Branson, Inc., 2 1/2 E. Fourth St., will receive contract at \$18,543 for heating plant, city armory; M. R. Marsh, Archt., Builders Bldg.; Goode Construction Co., Gen. Contr., 11 E. Fifth St. 3-14

## Dwellings

Ala., Anniston—Gordon R. Regan, Morris-town, Pa., let contract to C. H. Coleman, Anniston, for \$12,000 residence; stucco and

hollow tile, 2 stories, slate or tile roof, steam heat; Chas. H. McCauley, Archt., Jackson Bldg., Birmingham. 8-1

Ala., Birmingham—Dr. Lee Tarlington, 938 S. 20th St., erect brick veneer residence, Mt. Brook Estates; 2 stories, slate roof, steam heat; Miller & Martin, Archts., Title Guarantee Bldg.; L. E. Ford Co., Contr., Mt. Brooke Village. 8-1

Ala., Birmingham—Mackey Building Co., 103 Hollywood Blvd., erect \$15,000 dwelling, S. Redmont Rd.; brick, 1 story. 8-1

Ala., Birmingham—Frank Spain, Bankers Bond Bldg., erect brick veneer residence, Mt. Brooke Estates; 2 stories; Chas. H. McCauley, Archt., Jackson Bldg.; Paul Bros., Contrs., 2337 S. 20th Ave. 8-1

Ala., Birmingham—W. H. Barber, 1625 N. 29th St., let contract to Paul Bros., 2337 S. 20th Ave., for \$25,000 residence; brick veneer, 2 stories, 28x25 ft., slate roof, steam heat; Chas. H. McCauley, Archt., Jackson Bldg. 9-5

Ala., Cullman—L. J. Vogel, erect \$10,000 residence; brick, 1 story, comp. roof, vapor heat; J. F. Surman, Archt., Comer Bldg., Birmingham; owner builds. 8-1

Ala., Talladega—W. M. Rozelles erect \$30,000 residence; brick, 2 stories and basement, conc. footings, hardwood and tile floors, tile roof, steam heat; Hentz, Adler & Shultz, Archts., Candler Bldg., T. F. Fields, Contr., Box 66, Talladega. 8-1

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for two dwellings, 4517-21 Garfield St., N. W.; stone and frame, 2 1/2 stories; \$19,500; owners build. 8-1

D. C., Washington—S. G. Lindholm let contract at \$11,000 to Wm. Stuart, 4510 Riverside Drive, for cinder block and brick residence, 3414 29th St., N. W.; 2 1/2 stories, 35x25 ft., wood shingle roof; Gilbert Rodier, Archt., Jackson Place. 8-29

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for 2 brick dwellings, 4348-54 Garfield St., N. W.; 3 stories; \$22,000; owners build. 8-29

D. C., Washington—L. Sansbury Co., Inc., 1418 I St., N. W., erect 10 dwellings, 2906-14 Portland Place, N. W., 1823 Kalmia Rd., N. W., 2326-30 and 3538-42 Porter St., N. W.; brick and conc., 2 stories; \$80,000; owner builds. 8-29

Fla., Boca Grande—Harry L. McVickar, 11 Wall St., New York and Boca Grande, let contract at \$18,976 to C. Franklin Wheeler & Co., Fort Myers, Fla., for semi-fireproof residence, 1 and 2 stories; Nat. Gail-lard Walker, Archt., Fort Myers; Prentiss French, Landscape Archt., Sarasota, Fla. 8-8

Fla., Bradenton—Howard L. Meyer, Buffalo, N. Y., let contract for \$20,000 residence to John Bull, St. Petersburg, Fla.; F. J. Kennard & Sons, Archts., 303 Zack St., Tampa, Fla. 9-5

Fla., Miami Beach—Delos A. Blodgett erecting additional story to 1-story residence, 3526 Alton Rd.; \$10,000. 8-29

Fla., Miami Beach—G. O. Palmer, Palm Island, start work Oct. 1 by day labor on \$20,000 residence, Rivo Alto Island; rein. conc., conc. block curtain walls, 2 stories, 70x40 ft. and 20x26 ft., tile and wood floors, conc. foundation on wood piles, 5-ply asphalt and tile roof; A. Fraser Rose, Archt., 537 Collins Ave. 8-29

Fla., New Port Richey—Miss Isabel Hyams, Jamaica Plain, Boston, Mass., started work on \$11,000 residence; c'ay tile and stucco, 2 stories and basement, 39.10x49 ft., quartered white oak floors, Imperial Spanish tile roof; Howe, Manning & Almy, Archts., 101 Tremont St., Boston, Mass.; A. M. Pierson, Contr., New Port Richey. See Want Section—Building Material and Equipment. 8-29

Fla., Palm Beach—David Paddock, Contr., erect \$10,000 bungalow, Seminole Ave., near Palm Beach Ave.; Spanish type, 1 story. 8-29

Ga., Atlanta—C. C. McGehee, 815 Peach-tree St., N. E., let contract to I. N. Brown, 1029 Oak St., N. W., for \$25,000 residence; brick veneer, 2 stories and basement, hardwood floors, tile bath, comp. shingle roof; Harrelson B. Bleckley, Archt., Bona Allen Bldg. 9-5

Ga., Brunswick—George Shaw Greene, Dayton, Ohio, let contract to F. H. Andrews, Brunswick, for \$16,000 residence; frame, 2 stories and basement, 10 rooms, comp. roof; Francis L. Abreu, Archt., Dunwoody Bldg., Brunswick. 8-1

Ga., Brunswick—Louis H. May, 18 W. 27th St., New York, erect \$12,000 residence, 8-1

Glynn Isie; frame and hollow tile, pine and oak floors, conc. foundation, Johns-Manville cement shingle roof; Francis L. Abreu, Archt.; Ledsinger & Turner, Contrs. See Want Section—Building Material and Equipment.

Ga., Canton—Dr. Grady N. Coker erect \$20,000 residence; Stephenson's Oriental face brick, 2 stories and basement, 67x30 ft., up roof; Ivey & Crook, Archts., Candler conc., tile and hardwood floors, Barrett built-Bldg., day labor.

Ga., Columbus—J. du Pont Kirvin, Pres. J. A. Kirvin Co., erect \$35,000 residence; brick and tile, 2 stories and basement, hardwood floors, tile roof, steam heat; T. Firth Lockwood, Archt., Murrah Bldg.; W. C. Whitaker, Contr., 1121 First Ave.

Ga., Columbus—B. H. Harris, 101 12th St., erect \$10,000 residence, Dinglewood; brick and tile, 1 story, hardwood and tile floors; C. W. Buck & Sons, Contrs., 104 23rd St.

Ga., Savannah—Griffin Realty & Construction Co., Arcade Bldg., erect two brick veneer duplexes, 50th St.; 2 stories and basement, 52x37 ft., hardwood floors, asbestos roof, steam heat; \$12,000; day labor.

Ky., Owensboro—Allen Gipe started work on residence, 19th St. near Allen St.

La., Monroe—C. E. Slagle erect \$50,000 residence, S. Grand St.; Indiana limestone, 2 stories, hardwood, tile and slate floors, slate roof; J. W. Smith & Associates, Archts., Ouachita Natl. Bank Bldg.; Carl Sweadman, Contr.

La., New Orleans—Philip Schneller, Contr., 4141 Orleans St., erect double dwelling and 2 garages, Jasmine St. near Iris St.

La., New Orleans—Jack A. Dicharry, 1106 Constantinople St., erect \$10,000 single raised residence, Fontainebleau Drive and Marshall Sts.; New Orleans Construction Co., Contr.

La., New Orleans—LeBlanc & Miller, Contrs., 1828 Rosier St., erect single dwellings, Frenchman St. near Claude St.

La., New Orleans—J. Armon, Contr., 333 Brockenbrough Court, erect 3 brick and hollow tile dwellings.

La., New Orleans—J. B. Ruhl, Contr., 4914 Arch St., erect single dwelling and garage, 2745 Acacia St.

La., New Orleans—J. W. Johnson, Contr., 2618 N. Roman St., erect single dwelling, 2110 Congress St.

Md., Baltimore—F. F. Schneider, 1049 N. Caroline St., erect \$25,000 residence, Stoneleigh; stone, 2½ stories; Machen & Dixon, Archts., 312 N. Charles St.; George A. Gebb, Contr., Mayfield and Crossland Aves.

Md., Baltimore—Lutheran Church of the Redeemer erect \$10,000 parsonage, 5017 Gwynn Oak Ave.; stucco, 2 stories, 29.2x35.2 ft.; garage, 20x20 ft.; slate roof, hot water heat; C. W. Roos, Archt., Joseph K. T. Purcell, Contr., 3906 Milford Ave.

Md., Baltimore—Milton R. Lerch erect 2 frame dwellings, 3107-09 Northway Drive; 1½ stories, 24x28 ft., hot water heat; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Ralph N. Marquette, 4004 Belview Ave., erect four brick dwellings, 4003-09 Park Heights Ave.; 2 stories, 18.3x35.6 ft., hot water heat; \$12,000; S. Appleby, Archt., 5925 Bellona Ave.; owner build.

Md., Baltimore—Dr. Wm. L. Milles, 1020 N. Calvert St., erect \$22,000 residence and garage 1000 Belvedere Ave.; stone, 2½ stories, 74.6x51 ft., 22x23 ft. garage, slate roof, hot water heat; H. H. Stilwell, Archt., Peyton B. Strobel Construction Co., Contr., both 206 E. Lexington St.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 12 brick dwellings, 3226-48 Normount Ave.; 2 stories, slag roof; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Oscar Meyers, 4217 Bayonne Ave., erect 3 dwellings and garages, 3036-40 Pinewood Ave.; 1½ stories, 24x47 ft., shingle roofs; \$10,000; owner builds.

Md., Frederick—R. M. Fulmer erecting residence, Rosemont Addition.

Md., Phoenix—Jean Bedford, care Ernest W. Schoelkopf, contr., Phoenix, erect \$45,000 residence and stables, Fox Hill; frame and stucco, 2 stories; Howard & Frenaye, 2 Park Ave., New York.

Miss., Belton—J. T. Rice erecting 2-story dwelling; 9 rooms; Sloan Smith, Contr.

Miss., Clarksdale—Geo. Maynard erect brick residence; 1½ stories and basement, 65x40 ft., tile and hardwood floors, tile roof and bath; Geo. Mahan, Jr., Archt., Man-

hattan Bk. Bld., Memphis, Tenn.; T. J. Blackburn, Contr., Clarksdale.

Miss., Corinth—S. L. Regan let contract to Galyean Bros., Corinth, for brick veneer residence; 1 story, 36x60 ft., tile bath, oak floors, comp. roof; Polk W. Agee, Archt., Fidelity Bk. Bldg., Memphis, Tenn. 8-8

Miss., Laurel—J. L. Collins let contract to L. A. Gill, Laurel, for \$15,000 residence; brick and hollow tile, 2 stories and basement, 74x42 ft., hardwood and pine floors, tile baths, steam heat; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 7-25

Miss., Meridian—I. M. Dumont, 2626 18th St., erect residence; R. C. Springer, Archt., Rosenbaum Bldg.; L. Littleton, Contr., Asylum Hts.

Mo., St. Louis—B. Schafer, 6325 Ouida St., erect 3 brick dwellings, 6129-35 Idaho St.; 1-story, 25 x 35 ft., asphalt shingle roofs, warm air heat; \$10,000; owner builds.

Mo., St. Louis—H. M. Cross, 4924 Thrush St., erect 4 brick dwellings, 4540-50 Carver St.; 1 story, 24x37 ft., comp. roofs, hot air heat; \$12,000; R. J. Cross, Contr., 4924 Thrush.

Mo., Webster Groves, St. Louis—A. F. Williamson, 3124 Olive St., St. Louis, erect \$20,000 residence and garage, 711 Sherwood Drive; brick, 2 stories, 55 x 44 ft., irregular shape, C. A. Welsch Construction Co., Contr., 119 N. Seventh St., St. Louis.

Mo., St. Louis—H. & L. Nilgner, 4337 S. 37th St., erect \$15,000 dwelling, 6709 Leona Ave.; brick, 1½ stories and basement, 32x41 ft., tile bath, slate roof, hot water heat; O. J. Popp, Archt., Arcade Bldg.; Barth Building and Realty Co., Contr., 4449 Gravois Ave.

Mo., St. Louis—J. F. Burton, 1441 Sanford Ave., erect \$10,000 duplex, 1416 Louisville Ave.; brick, 1 story and basement, 26x45 ft., hardwood floors, comp. shingle roof, hot air heat; Philip Rollhaus, Jr., Archt., Central Natl. Bank Bldg.; work by sub-contract.

Mo., St. Louis—George A. Andrews, care Arthur T. Grindon, Archt., 6025 Belmont Blvd., erect brick residence, Ladue Village; 2 stories and basement 71x57 ft., oak and slate floors, tile bath, slate and tile roof, work by subcontract.

Mo., St. Louis—John Ollinger, 3641 Wilmington Ave., erect \$10,000 residence, Grantwood; brick, 2 stories and basement, 31x42 ft., hardwood floors, tile bath, comp. shingle roof; work by subcontract.

Mo., St. Louis—J. E. Stevens, 5719 Devonshire Ave., erect \$10,000, brick residence, 5234 Schollmeyer St.; 2 stories and basement, 26x28 ft., hardwood floors, tile bath, slate shingle roof, hot air heat. Sylvester (Charleville, Contr., 3432 Osage St.

Mo., St. Louis—O. Deidesheimer, 1155 Dover Place, started work on \$11,000 residence, 4318 Kingshighway, S. W.; brick, 1 story and basement, 29x49 ft., hardwood floors, tile bath, comp. roof; A. F. Stauder, Archt., South Side Natl. Bank Bldg.; Kloster & Co., Contr., 3211 Meramec St.

Mo., St. Louis—I. Borenstein, 2105 N. Broadway, started work on \$18,000 residence, 246 Woodbourne St.; brick, 2 stories and basement, 35x39 ft., hardwood floors, tile bath, tile roof, hot water heat; Clarence Koenig, Archt., 2036 A Russell Ave.; J. Goldman, Contr., 1407 Blackstone St.

Mo., University City, St. Louis—Charles B. Butcher, 6055 W. Cabanne Place, erect \$10,000 residence, 7361 Princeton St.; brick, 38x37 ft., conc. foundations, tile roof, hot water heat; owner builds.

Okla., Oklahoma City—Bonenberg Bros., Southwest Natl. Bank Bldg., started work on three dwellings, 2400-04-08 W. 13th St.

Okla., Oklahoma City—Callaway, Carey & Foster, Inc., Commerce Exchange Bldg., erect two 6-room bungalows and 2-story duplex, Carey Place Bldg., Gateway addition; also plan bungalow court; owners build.

S. C., Aiken—Seymour H. Knox, Buffalo, N. Y., erect \$125,000 winter residence, Whiskey Rd.; contract let.

Tenn., Memphis—Phillip Rubin, 351 N. Cleveland St., let contract to Home Builders Corp., Derrmon Bldg., for \$20,000 residence, brick veneer, 2 stories, 45x49 ft., tile bath, hardwood floors, comp. shingle roof; R. B. Spencer, Archt., Fidelity Bk. Bldg. 8-8

Tenn., Nashville—J. A. Reavis, 1015 Lawrence Ave., erect \$10,000 residence, 2014 Beech Ave.; brick veneer, 2 stories, 2 bath, hardwood floors, comp. shingle roof; owner builds.

Tex., Beaumont—Pyramid Asbestos Co. has tile roofing contract on \$250,000 residence

for T. F. Rothwell; Russell Brown Co., Archt.-Contr., 3104 Main St., Houston. 1-10

Tex., Dallas—L. H. Lacy, Burst Bldg., started work \$25,000 residence, Tokolan Drive; 2 stories.

Tex., Edinburg—A. L. Cramer erecting \$10,500 English type residence, Engelman Gardens; 7 rooms, hardwood floors.

Tex., Houston—Los Angeles Construction Co., 1516 Milam St., started work on 4 brick veneer dwellings, Southampton; 2 stories; \$48,000.

Tex., Houston—Miss Mary Turner O'Riordan, 2226 Indiana Ave., erecting Tudor type residence, 2246 Glennhaven Blvd., Braeswood; Marshall Tudor brick; J. E. Hebert, Contr.

Tex., Houston—H. C. Vogt, 2411 Binz Ave., completed foundation for \$17,500 dwelling, 2502 Calumet St.; brick veneer, 2 stories, 35x59 ft., oak and tile floors, comp. asphalt roof; plans by owner; day labor. See Want Section—Building Material and Equipment.

Tex., Kerrville—Parker Roofing Co., Builders Exch. Bldg., San Antonio, has roofing contract for \$150,000 residence for O. R. Seagraves, Warwick Hotel Apts., Houston; tile floors, Houston Art Tile & Terrazzo Co., 1415 Chenevert St.; plumbing, M. M. Bragdon, 1915 Harold St., both Houston; wiring, Altman Cude Electric Co., 113 S. Flores St., San Antonio; Russell Brown Co., Archt.-Bldr., 3104 Main St., Houston.

Tex., Temple—Grace Presbyterian Church started work on \$10,000 dwelling; brick, veneer, 2 stories, 40x44 ft.; oak floors over Shiplap, Spanish tile roof; Ed Warnken, Archt.-Contr. See Want Section—Building Material and Equipment. 9-5

Tex., Smithville—M. H. Young erect Colonial residence; conc., 2 stories, 10 rooms; razing present residence; contract let.

Va., Martinsville—Mrs. E. J. Pannill erect \$10,000 brick residence, Starling Ave.; B. Fuqua, Contr.

### Hospitals, Sanitariums, Etc.

Ala., Huntsville—Huntsville Hospital, Inc., let contract for \$30,000 nurses' home to George A. Rogers; brick, wood joists, 2 stories and basement, 45x93 ft., built-up roof; E. L. Love, Archt., Tenn. Valley Bk. Bldg. 8-1

D. C., Washington—Sibley Hospital, 1140 N. Capitol St., let contract to Charles H. Tompkins Co., 1608 K St., N. W., for 2 additional stories to 5-story main building of Robinson Hall; 132x48 ft., steel, brick walls, hollow terra cotta tile partitions, fireproof; operating rooms on top floor; alter first and fifth floors; \$100,000; Ballinger Co., Archt.-Engr., Chestnut and 12th Sts., Philadelphia, Pa., and 100 E. 42nd St., New York. 7-4

D. C., Washington—Following subcontracts let on \$875,000 Medical and Surgical Building, St. Elizabeth's Hospital, Anacostia, on which ground floor is being poured: Sand and gravel, Smoot Sand and Gravel Co., 3020 K St., N. W.; linoleum, W. & J. Sloane, 711 12th St., N. W., both Washington; cement, Volunteer Portland Cement Co., Holston Bk. Bldg., Knoxville, Tenn.; brick, Southside Brick Co., 20 N. Eighth St., Richmond, Va.; lumber, Highland Lumber Co., Fayetteville, N. C.; roofing and sheet metal, C. F. Schuman Roofing Co.; marble tile and terrazzo, Todd-Thrower Tile Co.; 507 E. Trade St., both Charlotte, N. C.; painting, Brewer Paint and Wall Paper Co., Rocky Mount, N. C.; millwork, Oettinger Lumber Co., S. Elm St., Greensboro, N. C.; plumbing and heating, Brice Plumbing and Heating Co., Florence, S. C.; orna. iron, Decatur Iron & Steel Co., Decatur, Ala.; glass and glazing, Pittsburgh Plate Glass Co., S. Hanover St.; kitchen equipment, Florence Ellerbrock, Inc.; refrigerating machinery, Chatard & Norris, 218 Water St.; refrigerating insulation, John R. Livezey, Inc., 526 St. Paul St., all Baltimore; electric work, Thompson Electric Co., 132 Fayetteville Ave., Raleigh, N. C.; limestone, Indiana Limestone Co., Bedford, Ind.; kalamain doors and metal frames, Coburn Trolley Track Co., Holyoke, Mass.; elevator enclosure, Jamestown Metal Desk Co., Jamestown, N. Y.; laundry chutes, Haslett Chute & Conveyor Co., Oaks, Pa.; W. P. Rose Co., Contr., Goldsboro, N. C. 7-25

Fla., Miami Beach—Dr. Arthur Walters, 337 Lincoln Rd., erect \$40,000 clinic and store bldg.; Lincoln Rd. near Drexel Ave.; rein. conc., stucco, clay tile exterior partitions, gypsum floors and base, plate glass front, 20-year built-up roof over conc.; 2 stores, arcade, 8 clinic rooms; Wade & Oemler, Archts., Exchange Bldg., Miami.

Mo., Kansas City—Research Hospital, 23rd and Holmes Sts., Charles Woodling, Bus.



Mgr., let contract to Fleming & Gilchrist Construction Co., 1333 Wyandotte Ave., for laundry and boiler house.

Mo., Little Blue—Jackson County Board of Commrs. let contract at \$291,259 to Lishear Construction Co. for Jackson County Home for Aged and Infirm, near Little Blue; \$500,000; fireproof, 3 structures connected by sun passages, rein. conc. and stone, 3 and 4 stories, operating room and laboratories on top floor; plumbing, heating and ventilating, A. D. Jackson, Plumbing & Heating Co., 329 S. W. Blvd., at \$146,145; electric work, Crescent Electric Co., 808 Delaware Ave., at \$12,955; Fredk. C. Gunn, Continental Bldg., and Fred Wallace, Rialto Bldg., Archts., all Kansas City. 9-5

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., has contract for 150 tons rein. steel for \$1,000,000 MacMillan Eye, Ear, Nose and Throat Hospital for Washington University; structure fireproof, brick and rein. conc., 11 stories; Jamieson & Spear, Archts., Arcade Bldg.; Woermann Construction Co., Syndicate Trust Bldg., low bidder. 8-29

N. C., Biltmore, Asheville—Biltmore Hospital let contract to John M. Geary Co., 35 N. French Broad Ave., Asheville, for \$150,000, fireproof Battle Wing; rein. conc., struct. steel, brick, tile, orna. stone trim, 4 stories, 41x120 ft., tile, terrazzo and comp. floors, steam heat; remodel building for nurses' quarters; Douglas D. Ellington Archt., Flat Iron Bldg., Asheville. 7-25

N. C., Goldsboro—State Hospital for Colored Insane let contract at about \$86,000 to E. F. Taylor, Goldsboro, for L. M. Blue Dormitory; accommodate 125; Atwood & Nash, Inc., Archts.-Engrs., Chapel Hill. 8-16

N. C., Reidsville—Dr. T. W. Edmunds, Arcade Bldg., Danville, Va., let contract for \$100,000 Annie Penn Memorial Hospital to P. L. Anderson, 183 Marshall Terrace, Va.; heating and plumbing, Dermott Heating Co., 314 Morgan St., Durham, N. C.; rein. conc., brick, 3 stories, 138 x 40 ft.; Roger B. Davis, Archt., 411 Avondale Drive, Danville, Va. 8-29

N. C., Winston-Salem—City let contract to Aeme Lumber Co., Kernersville, for \$50,000 nurses' home, City Memorial Hospital; rein. conc., 4 stories, linoleum floors, comp. roof; Northrup & O'Brien, Archts., Reynolds Bldg. 8-29

S. C., Conway—Conway Hospital, Inc., let contract to Southern Builders, Inc., Florence, for \$60,000 hospital; brick, 3 stories, 31 beds, X-ray room; 122x48 ft., semi-fireproof, linoleum, terrazzo, cement and pine floors, Barrett 20-yr. bonded roof; address proposals on equipment, furnishings, etc., to owner; Wilkins & Hopkins, Archts., Florence. 9-5

### Hotels and Apartments

La., Shreveport—W. A. Dominick let contract at \$68,813 to H. & B. Construction Co., Ricou-Brew Bldg., for 2-story, 20-apartment building, David and Euclid Sts.; M. C. Weeks, Archt., Ardis Bldg. 7-1

La., Thibodaux—Hotel Dixie, Sylvester Landry, Proprietor, let contract to Sidney Troups for 3-story, 15-room addition.

Mo., St. Louis—J. Brussel, 5918 Morganford St., has permit for 2-story tenement, 5466-70 Morganford St.; tar and gravel roof, hot air heat; \$10,000; owner builds.

Mo., St. Louis—W. P. Volz, 4800 Rhodes St., erect three 2-story, 32x52-ft. brick tenements, 3833-43 Dunnica St.; \$27,000; asphalt shingle roofs, warm air heat; owner builds.

Mo., University City—Nathan Rabuchka, 5202 Vernon St., has permit for 3-story tenement, 760 Heman St.; brick, 50x77.6 ft., conc. foundation, asphalt roof, vapor heat; \$30,000; H. W. Guth, Archt., 813 Chestnut St.; Joe Dubman, Contr., 5618 Etzel St.

Mo., University City—J. J. O'Neill, 7132 Forsyth St., has permit for 2-story tenement and garage, 7306 Amherst; 28x46 ft., rubble foundation, tile roof, hot water heat; \$12,000; V. J. Hunter, Archt., 6011 Magnolia St.; Rollo & Brugnore, Contr., 4659 Page Ave.

Mo., University City—N. H. Daniels, 4321 Fyler Ave., has permit for 2-story, 2-family tenement, 7033 Tulane Ave.; 27x45 ft., conc. foundation, tile roof, hot water heat; \$10,000; George Woods, Archt., 6675 Washington St.; owner builds.

Mo., University City—Geo. Stevens, 757 Eastgate Ave., has permit for tenement, 7354 Amherst St.; 2 story, brick, rubble foundation, comp. roof, hot water heat, 24x48 ft.; E. A. Stein, Contr., Alfred Johnson, Archt., both 585 Kingshead Ave.

Okla., Oklahoma City—Reinhart & Donovan, Commerce Exch. Bldg., contractors for \$4,000,000 hotel and garage for C. E. Colcord and associates, are now wrecking old buildings on site; plans not quite completed; announce subcontracts later; hotel, 25 stories, both brick and conc., comp. roof, conc. floors, struc. and rein. steel, steam heat, steel sash; Hawk & Parr, Archts., First Natl. Bank Bldg. See Want Section—Machinery and Supplies. 9-5

Okla., Oklahoma City—Maurice Baldwin, 825 W. 34th St., reported, erecting \$56,000, 36-apartment building to be leased to State as nurses' home.

Okla., Woodward—Baker Hotel Co. let contract at about \$100,000 to Musgrave Construction Co., Cotton Exchange Bldg., Oklahoma City, for 4-story, brick, stone and conc. hotel; built-up roof, conc. floors; Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City. 8-8

Tex., Abilene—H. O. Wooten awarded contract to E. V. McCright, Contrs. Indus. Bldg., Dallas, for 16-story Wooten Hotel; first three stories, 75x140 ft., 13 story shaft, 50x80 ft., brick, stone, tile and terrazzo floors; David S. Castle Co., Archt., Alexander Mldg. 7-25

Tex., Dallas—W. H. Middleton, 1700 S. Ervay St., and R. W. Gray, Republic Bank Bldg., have permit for 100-room apartment house, 5207-35 Live Oak St., near Barry, Munger Place section; 2 stories, brick, 24 apartments.

### Miscellaneous

Ala., Joffre—Aeme Child Welfare Assn., W. R. Cowart, Pres., 416 S. Jackson St., Thomas Stewart, Contr., Autaugaville. 6-6

Fla., Jacksonville—Ribault Club let contract to O. P. Woodcock Co., Lutz Bldg., for \$30,000 club building; 12 bedrooms, living room, grillrooms, heating and refrigeration; Mellen C. Greeley, Archt., 32 W. Forsyth St.

Fla., Palm Beach—Embassy Club let contract to Cooper C. Lightbown, Inc., for \$85,000 clubhouse, semi-fireproof, 1 and 2 stories and basement, 110x200 ft., hollow tile walls, tile roofing, tile and hardwood floors, steel windows; Addison Mizner, Archt., 337 North Ave.; Lester W. Geisler, Assoc. Archt.

Fla., Vero Beach—William Heniske has contract for \$70,000 clubhouse at Riomar; 75x125 ft., 2 stories, Spanish type, exterior finish of stucco, interior of pecky cypress; oak floors; contain lounge, dining room, loggia, servants' quarters, kitchen, rest rooms on first floor, 15 bedrooms on second floor.

Tex., Harlingen—McLeod-Hood Land Co., awarded contract to Walter F. Chambers, San Benito, for \$20,000 club house, on Arroyo Colorado River.

### Railway Stations, Sheds, Etc.

Ga., Augusta—Georgia and Florida R. R., H. B. Holmes, Ch. Engr., started work on freight station to replace burned structure; \$10,500, 1 story, brick, metal roof, tin roof on shed; Clausen-Lawrence Construction Co., Contr., 1394 Gwinnett St. 9-5

### Schools

Ala., Aliceville—Pickens County Board of Education, Carrollton, G. N. Downer, Chmn. Bldg. Committee, awarded contract to Walker Bros., Fayette, for \$34,000 high school; 1 story, 212x75 ft., brick and stone, steel and wood trusses, comp. roof, steam heat; plans by State Dept. of School Buildings and Inspection, Montgomery. 8-4

Ala., Birmingham—Board of Education, D. E. McKinley, Bus. Mgr., let contract to W. A. Horton Co., 8800 4th Ave., S., for 2-story, rein. conc. school with built-up roof; Warren, Knight & Davis, Archts., Protective Life Bldg. 8-22

Ala., Mobile—Mobile County Board of Education let contract at \$15,900, to P. H. Laurendine, 12 Bienville Ave., for adding two classrooms to Spring Hill School an remodeling present structure. 8-8

Ala., Montgomery—Grahm Construction Co., 4 Maddox Drive, Atlanta, Ga., has contract at about \$293,000 for classroom and dormitory building, State Normal School; Warren, Knight & Davis, Archts., Protective Life Bldg., Birmingham. 9-5

Ark., Conway—State Teachers College awarded contract at \$47,169 to J. J. Hiegel for library; Fred Halsey, Archt. 8-29

Fla., Trenton—Gilchrist County School Bd. let contract at \$13,900 to Geo. W. Livings-

ton, Newberry, for 2-story, 34x55 ft., brick additions to school; work started; built-up roof, wood floors; Alvin R. Moore, Archt., Tallahassee.

Ga., Chickamauga—John Parks Co., 315 Oak St., Chattanooga, Tenn., has contract at \$152,000 for buildings at Gordon Lee Memorial School; auditorium, 1 story, 48x87 ft.; athletic hall, 1 story, 76x48 ft.; library, 2 stories and basement, 100x42 ft.; boys' dormitory, 2 stories, 76x42 ft.; girls' dormitory, 2 stories, 63x42 ft.; all rein. conc. construction, brick walls, hollow tile backing and partitions; Robert & Co., Engrs., Bon Allen Bldg., Atlanta; plumbing, Chattanooga Heating & Roofing Co.; heating, Knoedler & Meredith; electric, Terrell Electric Co.; R. H. Hunt Co., Archt., James Bldg., all Chattanooga. 9-5

Ga., Climax—Board of Education awarded contract to J. M. Culpepper & Son, Pelham, Ga., for \$36,000 school; conc. footings, brick walls, comp. roofing; Lauren Parott, Archt., Fitzgerald. 6-30

Ga., Reidsville—Board of Education awarded contract to John T. Ragan & Co., Vidalia, for high and grammar school; 11 classrooms and auditorium; conc. footings, stucco and brick walls, comp. roof, wood floors, tile baths.

La., Reserve—St. John the Baptist Parish School Board, Edward, let contract, at \$93,884, to J. A. Haase, Jr., 916 Union St., New Orleans, for 3-story high school; rein. conc., brick and stone trim; Wm. R. Burk, Archt., Balter Bldg., New Orleans.

Miss., Bassfield—Bassfield Consolidated School Dist. begin at once on \$20,000 school; brick, 4 classrooms; also erect home for vocational teacher; owner build by Supt. 7-11

Miss., Bay Springs—Bay Springs Consolidated School Dist. Trustees, H. H. Stringer, Sec., let contract to W. H. Rhoten, Union, Miss., at \$16,797 for 1-story, rein. conc. and brick school; comp. roof. 8-22

Miss., Cleveland—El Dorado Heating & Plumbing Co., El Dorado, Ark., has contract at \$36,500 for central heating plant at Delta State Teachers College; Claude H. Lindsley, Archt., Lamar Bldg., Jackson. 8-29

Miss., Long Beach—Long Beach Municipal Separate School Dist. Board of Trustees, Ben Simmons, Sec., let contract to J. D. Braselton for addition to school; Shaw & Woleben, Archts., Gulfport. 8-22

Mo., Skidmore—Busboom Bros., 211 W. Eighth St., Fairbury, Nebr., excavating for \$5,000 school; H. D. Pampel, Archt., Finance Bldg., Kansas City. See Want Section—Building Material and Equipment. 9-5

Okla., Alva—J. D. Mann, 815 W. Main St., Oklahoma City, has contract for \$75,000 repairs to heating plant at Northwestern Teachers College; Layton, Hicks & Forsyth, Archts., Braniff Bldg., Oklahoma City.

Okla., Enid—Southwestern Bible School erect dormitory by day labor; 60x135 ft., frame.

Okla., Lawton—State Board of Agriculture, Harry B. Cordell, Pres., awarded contract to Tankersley Construction Co., Trades Natl. Bank Bldg., Oklahoma City, at \$85,475, for class room and auditorium building at Cameron State School; heating and plumbing at \$8,941 to M. F. Fisher, Norman. 8-15

Okla., Mountain View—Sedan Consolidated District No. 9, Kiowa County, erect 6-room and auditorium school; brick and frame; E. H. Eads & Co., Archts., Chickasha; Parker & Bryan, Contr., Hobart.

Okla., Stillwater—State Board of Agriculture, Harry B. Cordell, Pres., Oklahoma City, awarded contract to Kreipke Construction Co., Oklahoma City, at \$81,573 for infirmary at A. & M. College; heating and plumbing to M. F. Fisher, Norman; also let contract to Kreipke Construction Co. at \$29,494 to remodel Old Central Bldg., and to M. F. Fisher at \$4,750 for heating and plumbing this building. 8-15

Okla., Warner—State Board of Agriculture, Harry B. Cordell, Pres., Oklahoma City, let contract to Bailey-Burns Construction Co., Norman, at \$58,950 for boys' dormitory at Connor School of Agriculture; heating and plumbing to O'Connor Plumbing Co., Muskogee, at \$32,959. 8-15

Tenn., Brownsville—School Board, C. W. Anderson, Supt., let contract to W. C. Stout, 719 Maury St., Memphis, Tenn., for grammar school; 183x47 ft., 2 stories and basement, brick and mill construction; Anker F. Hansen, Archt., Shrine Bldg., Memphis. 7-24

Tenn., Murfreesboro—Board of Education, J. C. Mitchell, Supt., erect \$20,400 Negro High School; 2 stories, 6 rooms; Chicklow-Yearwood Co., Contr.

Tenn., Nashville—V. L. Nicholson Co., Contr., P. O. Box 661, Knoxville, awarded following additional subcontracts for Ligon Lane High School, on which excavation is completed and concrete footings and portion of walks poured: Plumbing and heating, Gowans & Hailey Co., 167 2nd Ave. S.; roofing and sheet metal, T. L. Herbert & Sons, 174 Third Ave.; millwork, Humbrecht-Langlois & Johnson, 19th Ave. N.; painting not awarded; Donald W. Southgate, Archt., Nashville Trust Bldg. 8-8

Tex., Lake Dallas—School Board, G. C. Turbeville, Sec., let contract to Hoke Smith, 1903 Gilliam St., Dallas, for \$10,085 school; 5 rooms and auditorium; C. H. Leinbach, Archt., Central Bank Bldg., Dallas. 8-1

Tex., Laredo—School Board let contract to Ricardo Ortiz for brick addition to Buenos Aires School.

Tex., Prairie Lee—Prairie Lee Ind. Dist. School Bd., H. M. Davenport, Pres., let contract at \$14,363 to Wm. F. Rux, San Antonio, for 1-story, 100x50 ft., brick and rein. conc. auditorium; Page Brothers, Archts., Austin Natl. Bk. Bldg., Austin.

Tex., Seguin—Lutheran College, George Hahn, Chmn., Building Committee, let contract to Albert Nolte for central power plant; Seidel Plumbing & Heating Co., 1618 Broadway, San Antonio, furnish equipment; Marvin, Eickenrodt & Bartlett Cocke, Archts., Maverick Bldg.; Beretta-Stiles Co., National Bank of Commerce Bldg., both San Antonio. 8-22

### Stores

Ala., Mobile—McCrory Stores Corp., 1107 Broadway, New York, erecting \$65,000 building, St. Emanuel and Dauphin Sts.; 2 stories, brick; Minton-Seobel Co., Contrs., 679 The Arcade, Cleveland.

Ark., Little Rock—T. R. McGuire, 2300 W. Markham St., erect \$10,000 store; 40x76 ft., brick and conc., 1 story; C. L. Harlin, Contr., 412 Park Ave.

Ark., Little Rock—Mrs. Dounle Stahmer, 1909 W. 11th St., erect \$10,000 store, 1100 Battery St.; Seth Wagner Co., Contr., 213 W. Second St.

Ark., Monette—Luther Gipson erect store; 1 story, 25x40 ft., brick; Carl Wolfe Contr.

Fla., Miami—A. M. du Pont, 450 S. W. 20th Rd., has contract to remodel Ostend Bldg., Biscayne Blvd. and First St.; \$15,000; Glen Smith, Lessee; Charles P. Neider, Archt., Calumet Bldg.

Fla., Miami Beach—Mead Bros., 1045 Lincoln Rd., have permit for \$10,000 alterations to store; Mead Construction Co., Contr.

Fla., Miami Beach—Milton L'Ecluse, L'Ecluse-Anderson Co., 932 Lincoln Rd., announce plans for \$85,000 building, Lincoln Rd. and Meridian Ave.; rein. conc. frame, pile foundations, 150x135 ft.; six storerooms on Lincoln Rd., automobile display room at corner; Russell T. Panoceat, Archt., 1139 Lincoln Rd.; William F. Bonsack, Contr., 1659 Alton Rd.

Ga., Atlanta—G. W. Connors Estate, Empire Bldg., Birmingham, Ala., let contract to Charles W. Bernhart, 250 Hunnicutt St., for alterations to building, 24 Pryor St.; \$15,000.

Ga., Atlanta—W. T. Grant Co., 455 7th Ave., New York, awarded contract to J. A. Jones Construction Co., Com. Bk. Bldg., Charlotte, N. C., for alterations to store, Whitehall St., S. W.

La., Monroe—Harrison St. Realty Co. awarded contract to Haynes Construction Co., 119 N. Grand St., for \$15,000 store and office building; 70x70 ft., brick, 3 stories.

La., Monroe—Haynes Construction Co. erect \$15,000 store, Catalpa and Harrison Sts.; 70x70 ft., 2 stories, three stores; second floor for office.

La., Westlake—Krause & Managan Lumber Co. erect 50x138-ft. brick store and warehouse; Adolf See, Contr., Lake Charles.

Miss., Centerville—The Misses Rogers awarded contract to Hill Bros. for brick and steel commercial bldg.; rein. conc. foundation.

Mo., Independence—S. S. Kresge Co., Construction & Store Equipment Dept., T. C. Morgan, Mgr., Detroit, Mich., let contract to Max Mildenstein, Merchants Natl. Bank Bldg., Cedar Rapids, Iowa, for store; F. M. Freeman, Archt., 119 S. Adams St., Peoria, Ill. 9-5

Mo., St. Louis—Becker-Lehman Realty Co., 2711 Olive St., erect \$12,000, 2-story, 124x18 ft. brick sales building, 304-8 Cardinal St.; W. C. Harting Construction Co., Contr., 722 Chestnut St.; R. Conzelman, Archt., 114 N. Seventh St.

Mo., St. Louis—National Bridge Bank Bldg. Co. has permit for \$15,000 store building, National Bridge and Newstead St.; 2 stories, 61x80 ft., comp. roof; A. H. Haeseler Building and Contracting Co., Contr., 621 Wainwright Bldg.; Nolte & Nauman, Archts., 3832 W. Pine St.

N. C. Charlotte—Goode Realty Co., 11 E. Fifth St., started work on \$30,000 store; 140x20 ft., brick, maple floors, 1 story, tar and gravel roof; Goode Construction Co., Contr., 11 E. Fifth St. 8-29

N. C., Hendersonville—J. C. Penney Co., 330 W. 34th St., New York, let contract for remodeling store, Fourth Ave. & Main St., to K. G. Justus; \$12,000.

Okla., Cushing—Sitterly Estate alter store; 2 stories, built-up roof; \$15,000; Ed. L. Gahl, Archt., Perrine Bldg., Oklahoma City; day labor.

Okla., Muskogee—J. H. Reddick, Kennedy Bldg., Fort Smith, has contract for store for J. C. Penney Co., Inc., 330 W. 34th St., New York; 2 stories and basement, 52x128 ft., brick and hollow tile. 7-4

Okla., Oklahoma City—Lewis Meadors, 16 W. California St., has permit for \$20,000, brick store.

Okla., Oklahoma City—J. A. Edwing, Contr., constructing store, 1444 W. Main St., 1 story, 50x140 ft.

Okla., Tulsa—E. Fred Johnson erecting building, 21st and Wheeling Sts.; 130x70 ft., Colonial type, variegated brick; Malcolm McCune, Archts., Atlas Life Bldg.

Tenn., Murfreesboro—J. C. Penney Co., 330 W. 34th St., New York, J. W. Kennedy, Local Mgr., remodeling building; \$20,000; Bell Bros., Contrs.

Tex., Dallas—Exall Roberts Co., Allen Bldg., erecting six 1-story stores, 3000 block Knox St.; \$25,000; B. Dallas Smith, Contr., Maple Rd.

Tex., Fort Worth—Stewart Stores remodel store, 502-04 Houston St.; \$10,300; B. B. Adams, Contr., Wyatt C. Hedrick, Inc., both First Natl. Bk. Bldg.

Tex., Fort Worth—Stewart Stone has permit for store repairs, 502-04 Houston St.

Tex., Port Arthur—M. W. McCord, Adams Bldg., has contract to remodel building, 401 Procter St., to be occupied by The Fair.

Tex., San Antonio—D. Johnson, 308 Navarro St., has permit for store, Auditorium Drive; \$22,000.

### Theaters

Ga., Atlanta—Crockett & Spruill, Red Rock Bldg., have contract on cost plus basis to erect \$120,000 Buckhead-Atlanta theatre and store building, Roswell Rd. at Buckhead; 6 stores on ground floor, offices above; moving picture theatre entrance through arcade; 2 stories and basement, 100x200, rein. concrete and structure steel, stucco and brick walls, stone trim, built-up roofing, tile and terrazzo floors, steam heat; Daniell & Beutell, Archts., Healey Bldg. 8-8

Mo., Macon—C. J. Tiernan Co., Macon, has contract to rebuild Grand Theater; extend building, construct stage, install heating and cooling systems; seat about 750.

Okla., Hobart—Shirley & Rhoades, Cushing, contr., for theatre for Griffith Amusement Co., have awarded following subcontracts: Millwork, Tibbs-Dorsey Manufacturing Co., 911 S. Walker St.; stone, Harter-Marblecrete Stone Co., 1608 W. Main St.; steel, J. B. Klein Iron & Foundry Co., 1004 W. 2nd St., all Oklahoma City; brick, Kusa Brick & Tile Co., Kusa; heating and plumbing, J. E. Paul, Hobart; Harold Gimeno, Archt., Norman. 8-1

S. C., Easley—L. A. Long remodel Lyric Theater; enlarge to double seating capacity, install heating system, add lobby; owner builds.

Tex., Marshall—East Texas Theatres, Inc., Sol E. Gordon, Pres., Beaumont, let contract at \$150,000 to S. J. Churchill, 3839 Maplewood Rd., for 1-story theatre, store and garage, Washington Ave. & Bolivar St.; brick, steel frame and conc.; Emile Weil, Inc., Archt., Whitney Bank Bldg., New Orleans, La. 8-22

### Warehouses

Ala., Birmingham—Hill Grocery Co., 230 S. 16th St., erect warehouse addition; brick, 2 stories, 40x127 ft., steel trusses; Charles H. McCauley, Archt., Jackson Bldg.; Brice-Estes Building Co., Contr., Woodward Bldg.

Ala., Montgomery—Alabama Motor Transfer & Warehouse Co., 123 Randolph St.,

started work on 1-story, 80x80 ft., rein. conc. and steel warehouse and garage, N. Perry St.; E. M. Lowry Construction Co., Contr., N. Perry St.; Frank Lockwood, Archt., Adams St.; Wayne Lockwood, Engr.; plans larger building later. See Want Section—Building Material and Equipment.

Ga., Dublin—Douglas Oil & Fertilizer Co. let contract to S. J. Stubbs for \$50,000 warehouse to be leased to J. W. Skes. Douglas; 1 story, 130x510 ft., brick and conc., wood floors.

Miss., Yazoo City—B. A. Holaday awarded contract to H. L. White Lumber Yard for brick veneer warehouse and office.

Tex., Dallas—Sherman Magnolia Seed Co., 945 S. Lamar St., constructing warehouse and office, 311 Horton St.; 2 stories, face brick, plaster and pine, conc. floors, comp. roof; \$10,000; Fred R. and C. F. Peterman, Archts.—Contrs., Mercantile Bank Bldg.

### High Pig Iron Production by Ashland, Ky., Furnace

A world's record for production, by a blast furnace with a 13-foot 9-inch hearth, is being claimed for No. 1 furnace at the Sixth Street Plant of the Ashland, Ky., Division of the American Rolling Mill Company. This furnace has just completed seven years of continuous operation, which record, the company believes, has been equaled or surpassed by only one other furnace. It is said that while it has been surpassed in endurance it has achieved a better production record than any other furnace with a 13-foot 9-inch hearth. The old lining contained 224,000 nine-inch brick. During the seven years of continuous operation with this lining, there were produced 809,951 tons of pig iron, or an average of 3.6158 tons per 9-inch brick equivalent. The best previous record, made by another furnace, was 3.41 tons. Number one has made other creditable records as follows:

Day .....	454.82 tons
Week .....	2,844.82 tons
Month .....	12,083.52 tons
Daily average .....	393.10 tons

Pounds of coke per ton of pig iron, 1538

### Cotton Mill Addition

Laurens, S. C.—The Laurens Cotton Mills awarded contract through the Spartanburg office of Lockwood Greene Engineers, Inc., to the Gallivan Construction Co., Greenville, S. C., to erect a \$50,000 addition to its mill here, the contract calling for a 4-story and basement structure as a wing to the present building. The addition will contain about 25,000 square feet of floor space and upon its completion, it is said, the department given over to spooling, warping, winding, slashing and drawing may be enlarged.

### Mill for Laurel, Miss.

Laurel, Miss.—Business interests of this city have signed an agreement with J. W. Goldman and D. R. Williams for establishing a hosiery mill here, operations to begin within 60 or 90 days. Funds have been subscribed to aid the enterprise.



# WANT SECTION

## THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies	Building Materials and Equipment	Bids Asked
Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.	This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.	Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.
<i>Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.</i>		

### Machinery and Supplies

**Broom Plant Machinery and Equipment.**—W. E. Rorabaugh, Box 154, Clermont, Fla.—Wants prices and data from manufacturers of broom plant machinery and equipment.

C. H. B. Leonard, County Mgr., P. O. Box 239, Lexington, N. C.—Wants prices and data on following:

(1) **Concrete Pipe Manufacturing Equipment.**—for making pipe 12 to 30 in. diam., used, good condition

(2) **Gasoline Handling and Storing Equipment.**—for handling carload lots for distribution to 15 stations; includes 20,000-gal. storage tank, 15 supply tanks and pumps, truck tank, 10,000-gal. oil tank, 3 compartments.

**Engines.**—W. E. Toler (Mchy. Dealer), Pawnee, Okla.—Wants prices and data on engines operated by gasoline, oil or compressed air.

**Engine (Corliss).**—W. W. Partee, Pur. Agt., E. L. Bruce Co., Memphis, Tenn.—Wants prices and data on 250-h. p. simple Corliss engine for Reed City (Mich.) plant, about 150 r. p. m., 125 to 150 lb. saturated steam, used.

Finley McCoy Co., Church St., Martinsville, Va.—Wants following:  
**Saw Rig (Gasoline Operated)**—light  
**Hoist**—light.

**Feed Mill Equipment.**—Camden Cotton Oil Co., Camden, Ark.—Wants mixed feed equipment.

**Generator Set.**—Hackley Morrison Co., Inc. (Mchy. Dealer), 204-6 N. Jefferson St., Richmond, Va.—Wants prices and data on generator set, 75 kv-a., 3 phase, 60 cycle, 220 volt, steam pressure 125 lbs., atmospheric exhaust, suitable for operating at 4 or 5 lb. back pressure.

**Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.**—Wants prices and data on following:

(1) **Generator**—d. c., 550 volt, direct connected to steam engine, preferably 400 kw.

(2) **Generator (Motor)**—150 or 200 kw., 250 volt, d. c., 2300 volt, 3 phase, 60 cycle a. c.

(3) **Hoists**—for I beams, 250 volts, d. c., 1 or 2 ton capacity

(4) **Lathe**—for turning steel tires and steel locomotive wheels up to 40 in. diam. and from 32 to 48 in. gauge

(5) **Loading Boom**—about 40 ft. long, for coal tipple

(6) **Motors**—a. c. and d. c., 2 to 20 h. p., 220 volts

(7) **Oven (Japanning)**—for baking large armatures, natural gas or electric heat

(8) **Pulleys**—split steel, diam. 12, 14, 16, 18 in.

(9) **Punch and Shear**—preferably No. 1½ Buffalo Universal Iron Worker

(10) **Welding Machines (Electric)**—200 to 300 ampere, gasoline driven.

**Mortising Machine (Door).**—W. G. McMillan (Building Contr.), Myrick Bldg., Lubbock, Tex.—Wants prices and data from manufacturers of mortising machine used in installing door locks.

**Oak Split Making Equipment.**—D. A. Adams & Sons, Kinston, Ala.—Wants prices and data on machine for making splits from white oak.

**Peanut Oil Extracting Machinery.**—R. E. Boggs, 1615 Second Ave., South, Birmingham, Ala.—Wants prices and data on machinery for extracting oil from peanuts.

Reinhart & Donovan, Commerce Exch. Bldg., Oklahoma City, Okla.—Want:

(1) **Hoist**—electric, 30-50 h. p., 3 drum

(2) **Power Shovel**—12-ton, gas or gas-air

**Rock Crusher.**—A. L. Dorsey, Cleveland, Ga.—Wants prices and data on small rock crusher or stone pulverizer to produce minimum of 8 or 10 tons daily, new or used, good condition.

**Shovels (Power).**—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants to lease immediately, with privilege of purchase, 2 ¾-yd. gas or steam shovels, crawler or traction type; strictly first-class condition, used.

**Tank (Water Storage).**—The Erin Water Co., L. E. Stone, Mgr., Erin, Tenn.—Wants 12,000 gal. water or oil tank, upright, for water storage supply for drinking and commercial use; used tank preferred.

### Miscellaneous

**Containers.**—Collins Medicine Co., Collins, Miss.—Wants prices and data on liquid containers, etc.

**Domestic Water Heater (Oil Burner).**—J. G. Anderson, 227 Oakland Ave., Rock Hill, S. C.—Wants prices and data from manufacturers of automatic oil burner for heating water for household purposes; similar to those used to heat residences but on smaller scale, keeping hot water tank at given temperature at all times.

**Fibre Strap.**—J. Cecil Hickson & Co., 147 E. Flagler St., P. O. Box 50, Miami, Fla.—Wants prices and data from manufacturers of fibre strap.

**Hot Air and Hot Water Heating Systems.**—Jonesboro Supply House (Dealer) Jonesboro, Tenn.—Wants prices and data on hot air furnaces, and on hot water heating systems.

**Inhalators (Oxygen).**—Alex M. Robinson (Mchy. Dealer), Georgetown, Ky.—Wants prices on inhalators, used for resuscitating persons overcome by gases, electric shock, drowning, etc.

**Moreland Park Cemetery Co., Jos. F. Moreland, Pres., 5402 Harford Ave., Baltimore, Md.,** developing 60 acre cemetery and wants:

(1) **Fence**—for entire acreage

(2) **Iron Gates**—for main entrance.

**Rams (Hydraulic).**—Walter Sibert, Royster Bldg., Norfolk, Va.—Wants prices and data from manufacturers of hydraulic rams.

**Signs (Advertising).**—Flamingo Groves, Inc., 1912 Hollywood Blvd., Hollywood, Fla.—Wants prices and data from manufacturers of metal and weatherproofing signs for out of door use.

**Swimming Pool Heating Equipment.**—Sulphur Springs Swimming Pool, Inc., F. M. Catron, Pres., 7910 Van Dyke Pl., Sulphur Springs Sta., Tampa, Fla., plans running 16 or 20-in. pipe to pool for heating water to 80 or 85 degrees as it goes in to pool—Wants prices and data on necessary equipment.

**Tanks (Wood or Steel).**—Pensacola Paint & Chemical Co., Inc., 13 E. Chase St., Pensacola, Fla.—Wants prices and data wood or steel tanks, 8000 to 25,000 gal. capacity, used, good condition.

**Toys, etc.**—Crosby Store Co., P. O. Box 194 Bay Minette, Ala.—Wants prices and data on toys, dolls and holiday specialties.

**Vacuum System of Steam Heating.**—Jonesboro Supply House, Jonesboro, Tenn.—Wants prices and data on vacuum steam heating systems.

### Building Material and Equipment

**Alabama Motor Transfer & Warehouse Co., 123 Randolph St., Montgomery, Ala.,** wants prices on following for warehouse and garage:

**Rolling Doors**—second-hand, 15.6x18.6 ft., steel.

Albert Osburg, Archt., City Hall, St. Louis, Mo., wants prices on following for \$32,000 gymnasium.

**Flooring**—hardwood  
**Roofing**—slate  
**Steel Sash**  
**Tile**—gypsum roof slab  
**Wire Glass**

A. M. Pierson, New Port Richey, Fla., wants following for \$11,000 residence:

**Flooring**—quarry tile  
**Roofing**—tile  
**Window Balconies**—iron.

Busboom Bros. 211 W. Eighth St., Fairbury, Nebr., want prices and data on following for \$50,000 school at Skidmore, Mo.:

**Cast Stone**  
**Floors**—hardwood  
**Incinerator**  
**Marble**  
**Roof**—built-up

Ed Warnken, Contr., 707 S. Eighth St., Temple, Tex., wants prices on following for \$10,000 dwelling:

**Limestone**  
**Mail Chutes.**

Emerick Tile Co., Slbridge, N. Y., taking bids on marble materials for Skaneateles Savings Bank, Skaneateles, N. Y.; Tilghman Meyer Co., Archt. and Engr., Allentown, Pa., wants prices on:

**Tennessee Marble**  
**Travertine**—for floors

Finley McCoy Co., Church St., Martinsville, Va.—Wants prices on following for \$75,000 apartment hotel:

**Doors**—metal  
**Floors**—hardwood and tile  
**Limestone**  
**Metal Ceilings**  
**Roofing**—asbestos shingle  
**Steel Sash and Trim**  
**Wire Glass.**

H. C. Vogt, Bldr., 2411 Binz Ave., Houston, Tex., wants prices on following for dwelling:

**Flooring**  
**Roofing**—asphalt shingle.

Harrisonburg Building & Supply Co., Inc., Carl J. Frank, Estimating Engineer, Harrisonburg, Va., wants sub-bids on following for Alexandria Spotswood Hotel:

**Ash Lift**  
**Bar Joist**  
**Doors**—wood  
**Dumbwaiter**  
**Elevators**  
**Excavation (Rock)**  
**Flagpole**  
**Floors**—composition  
**Heating Equipment**  
**Plumbing**  
**Refrigeration**  
**Reinforcing**  
**Steel**—structural and ornamental  
**Store Fronts**  
**Telephones**  
**Tile**—marble and terrazzo  
**Ventilating Equipment**—forced draft  
**Ventilators**—door and shaft

John W. Cowper Co., Inc., State Planters Bank Bldg., Richmond, Va., estimating on \$250,000 neuropsychiatric ward, Walter Reed General Hospital, Washington, D. C. (bids Oct. 8).—Wants prices on all materials and sub-bids until Oct. 5.

Ledsinger & Turner, Contrs., Brunswick, Ga., want prices on following for \$12,000 dwelling:

**Cast Stone**  
**Flooring**—linoleum  
**Roofing**—Johns-Manville asbestos shingle.

Medical Building Co., Inc., 1915½ 14th St., Tampa, Fla., want following for \$35,000 clinic:

**Flooring**—linoleum, terrazzo, tile  
**Incinerator**  
**Marble**

**Shafting (Steel).**—U. S. Engr. Office, Huntington, W. Va.—Bids Sept. 16 for steel

shafting, cold finished, turned and polished; 7 in. diam., 18 ft. long.

### Bids Asked

**Boilers.**—See Steam Plant Equipment.

**Bridge.**—State of Arkansas. See Construction News—Bridges, Culverts and Viaducts—Proposed Construction.

**Bridge.**—State of Maryland. See Construction News—Bridges, Culverts and Viaducts—Proposed Construction.

**Bridge.**—West Annapolis, Md., will build 2 bridges. See Construction News—Bridges, Culverts and Viaducts—Proposed Construction.

**Bridge.**—State of Missouri. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Chassis (Truck).**—Comms., Dist. of Columbia, Washington, D. C.—Bids Sept. 17 for 4 truck chassis, 2 equipped with hoists.

**Elevator.**—Treasury Dept., Office of Supervising Archt., Washington, D. C.—Bids Sept. 20 for installing electric elevator in U. S. post office and court house, San Antonio, Tex.

**Fly Screens.**—Dept. of Interior, 6117 Interior Bldg., Washington, D. C.—Bids Sept. 17 for fly screens at Freedmen's Hospital, Fourth & Bryant St., N. W., Washington, D. C.

**Guard Rail.**—State Road Comm., Charleston, W. Va., George E. White, Sec.—Bids Sept. 24 for 12,000 ft. guard rail for Bluefield-Abshire Gap road.

**Hydraulic Ash Removal System.**—See Steam Plant Equipment.

**Lumber.**—Q. M. Supply Officer, Fort Sam Houston Sta. San Antonio, Tex.—Bids Sept. 27 for 22,000 ft. b. m. sap gum lumber and 600 ft. b. m. pine lumber.

**Machine Shop Equipment.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids Sept. 17 for following: radial, sensitive, motor driven drill, engine lathes, milling machines, motor driven drills and tapper; Sept. 24 for electric rivet heaters; Oct. 1 for pneumatic flanging machine.

**Machine Shop Equipment.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids Sept. 24 for universal turret lathes; bids Oct. 1 for upsetting machine, surface planing machine, mill, rubber and calender machines.

**Machine Shop Equipment.**—Bureau of Supplies and Accounts, Washington, D. C.—Bids Sept. 17 for following: Electric circular saw, tool grinding and shaping machine, punch, shear and bar cutter machine, bolt threading machine.

**Miscellaneous.**—Panama Canal, Office of Gen. Pur. Office, Washington, D. C.—Bids Sept. 26 for following, Sch. 1992:

1½-ton chassis, welding machine, battery charging equipment, galv. steel conduit, copper-covered steel tubing, lead sleeving, cable (rubber insulated), copper wire, switchboard wire, bronze antenna wire, etc.

**Oil Engines.**—See Water Mains and Well.

**Paint, etc.**—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Sept. 18 for paint, etc., delivery Quantico, Va.

**Pavement.**—State of Arkansas. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Paving.**—Franklin, La. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Paving.**—Easton, Md. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Paving.**—St. Louis, Mo. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Piles (Creosoted) and Timber.**—U. S. Engr. Office, Washington, D. C.—Bids Sept. 20 for 30 creosoted piles and 150 pieces creosoted timber.

**Pipe (Cast Iron).**—See Water Mains and Well.

**Pipe (Galvanized).**—See Water Mains and Well.

**Pipe (Corrugated Iron).**—See Storm Drains.

**Pipe (Cast Iron).**—See Water Works.

**Pontoons (Steel).**—U. S. Engr. Office, foot Prytanla St., New Orleans, La.—Bids Sept. 20 for 14 steel pontoons, 24x8x2 ft.

**Pump.**—See Water Works.

**Pump.**—See Water Mains and Wells.

**Radio Range Buildings.**—Div. of Supplies, Dept. of Commerce, Washington, D. C.—Bids Sept. 19 for 70 radio range buildings.

**Reservoir.**—See Water Works.

**Road.**—State of Louisiana will build 11 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Louisiana. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Arkansas. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Virginia will build 2 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—Aiken, S. C. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Maryland will build 11 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—Wheeling, Va. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—Towson, Md., will build 2 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Kentucky receives bids for 4 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Maryland will build 7 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—State of Texas. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Road.**—Mobile, Ala. See Construction News—Roads, Streets and Paving.

**Roads.**—State of Missouri will build 59 roads. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Roads.**—State of Arkansas will build 2 roads. See Construction News—Roads, Streets and Paving.

**Sewers.**—City of Malvern, Ark., Robt. Smith, Jr., Sec.—Bids Sept. 20 for pavement, storm sewers, curbs, gutters, culverts and excavation for Street Improvement Dist. No. 9; E. E. Bonewitz, Engr., Home Ins. Bldg., Little Rock.

**Stokers.**—See Steam Plant Equipment.

**Storm Drains.**—Town of Easton, Md., Richard Goldsborough, Clk.—Bids Sept. 16 for constructing 160 ft. of 30-in. to 36-in. corrugated iron pipe storm drain, together with manholes, catch basins and connections; E. G. Kastenhuber, Jr., Town Engr.

**Street.**—Cumberland, Md. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Street.**—Bay St. Louis, Miss. See Construction News—Roads, Streets and Paving.

**Street.**—Cumberland, Md. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Street.**—Tampa, Fla. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Street.**—Brighton, Ala. See Construction News—Roads, Streets and Paving—Proposed Construction.

**Tank and Tower.**—See Water Works.

**Tender.**—Office of U. S. Coast and Geodetic Survey, Washington, D. C.—Bids Oct. 3 for constructing steel surveying tender, 75 ft. long.

**Timber (Pine).**—U. S. Engr. Office, Huntington, W. Va.—Bids Sept. 16 for native white pine timber, sound, square edge, sound knotted and better.

**Trucks (Dump).**—Panama Canal, Office of Gen. Pur. Office, Washington, D. C.—Bids Sept. 19 for dump trucks, Sch. 1990.

**Water Works.**—Town of St. Joseph, La., W. M. Davidson, Mayor—Bids Sept. 17 for water works improvements; work includes motor driven centrifugal pump; conc. foundations; conc. reservoir; steel tank and tower; corrugated iron building; water well and motor driven pump; 3700 ft. of 6-in., 11,600 ft. of 4-in., c. i. pipe; 600 ft. of 2-in. steel pipe; hydrants, valves and boxes; laying pipe, etc.; Swanson-McGraw, Inc., Consult. Engrs., Balter Bldg., New Orleans.

**Water Mains and Well.**—City of Brooklet, Ga., D. L. Alderman, Jr., Clk.—Bids Sept. 16 for deep well and water mains; work includes 8-in. well, 300 ft. deep; galv. iron building; seven 75 g. p. m. deep well pump; kerosine oil engine; 60,000 gal. steel tank on 75 ft. tower; 1050 ft. of 8-in., 2664 ft. of 6-in. 48 ft. of 16-in., 60 ft. of 12-in., 36 ft. of 4-in. c. i. mains; 13,485 ft. of 1½-in. gal. iron pipe; 2 tons c. i. specials; fire hydrants; gate valves and boxes; J. B. McCrary Engineering Corp., 1408 Citizens & Southern Bank Bldg., Atlanta, Consult. Engrs.

**Wire Rope.**—U. S. Engr. Office, Huntington, W. Va.—Bids Sept. 17 for wire rope, hoisting, bright plough steel; 6x19 construction, hemp center.

### Trade Literature

**Locomotive Cranes.**—A bulletin issued by the Thew Shovel Co., Lorain, Ohio, describes and illustrates 13 and 20-ton Lorain locomotive cranes powered by gasoline, electric or Diesel motors. The company also makes power shovels, draglines and back-diggers.

**Rare Metals.**—The Fansteel Products Company, Inc., North Chicago, Ill., is issuing a booklet designed to acquaint its readers with the metals tantalum, tungsten and molybdenum; to show how they are now being used commercially and to suggest their possible uses in industrial plants.

**Road Machinery.**—The W. A. Riddell Company, Bucyrus, Ohio, has issued catalog 2901 on Warco (H-P) road building machinery manufactured by that company, including power graders, snow plows, scoops, crawlers and rollers. The Riddell company is among the first producers of one-man graders, succeeding the Hadfield-Penfield Steel Co.

**Handbook on Cheese.**—The National Dairy Council, Chicago, for the promotion of health and child welfare, is distributing a handbook on cheese, in which it presents important and interesting facts about this dairy product. The publication should be of value to dietitians, home economics teachers and home makers.

**Truck Mounted Cranes.**—Bulletin 47 of the Universal Crane Co., Lorain, Ohio, illustrates the use of Universal motor truck mounted cranes for steel erecting, stone setting, rigging work and general lifting service. The bulletin describes the application of these cranes to various phases of service for which they are designed.

**Wire Tying Machine.**—A catalog is being distributed by the Gerrard Company, Inc., Chicago, illustrating and describing the Gerrard model TA wire tying machine and metal tie binding methods. This new method is said to be applicable to binding parcel post and light express packages and may be employed for many other special binding needs.

**Farm Wiring.**—C. R. E. A. Bulletin, Volume 5, No. 1, published by Committee on the Relation of Electricity to Agriculture, 1120 Garland Building, Chicago, presents a complete treatise on wiring the farm for light, heat, and power. The publication contains 80 pages, with 88 illustrations, and explains technical details in simple language. In its treatment of the subject all important farm buildings are included.



**Newman Molder.**—A folder issued by the Newman Machine Company, Greensboro, N. C., illustrates and describes the advanced type Newman No. 412 molder, having features which mean ease of operation, quick set-ups, large output and other economies.

**Desk Library.**—The Sturtevant Mill Company, Harrison Square, Boston, Mass., is distributing a desk library of editorials and manuals, the former having displaced the company's house organ "Experience." Subjects of some of the pamphlets included in the library are Cost-Cutting or Profitless Prosperity, Buymanship, Thinking Through, Profit from Waste Elimination, Check Your Conclusions, Short-Cuts to Business Profits,

Knowledge, Measuring Value, Advertising and Selling versus Merchandising, How to Measure Labor Efficiency, New Trends in Industry and What is Labor?

**Oil Burning Equipment.**—A catalog on Quinn oil burning equipment manufactured by the Combustion Engineering Corporation, New York, is being distributed. The steam atomization type burner is said to be simple, reliable and flexible and is made in five sizes with ratings from 10 to 150 gallons per hour. The Quinn oil torch, a self-contained unit with hose, regulating valves and pressure tank, built in capacities from 3 to 20 gallons per hour, is also described in the catalog, as well as Quinn regulating cocks and oil pressure regulating valves.

#### Sales Manager of Byers Machine Company.

H. C. Beckwith, president, Byers Machine Co., Ravenna, Ohio, announces the appointment of P. T. Redfern as general sales manager, L. T. McGuire to continue as assistant sales manager in charge of the sales office. Mr. Redfern was formerly manager of the Chicago office of Mead-Morrison Manufacturing Co. The Byers Machine Co. manufactures gas crawler shovels and cranes, adding the "Bulldog,"  $\frac{1}{2}$ -yard convertible shovel last January and the  $\frac{3}{4}$ -yard shovel this summer.

#### Southern Pine in Illinois Flood Project.

A recent inspection of a \$20,000,000 flood control project under construction on the Illinois River, near Joliet, Ill., by W. H. O'Brien and C. F. Bolden of the Southern Pine Association, New Orleans, reveals that more than 350,000 feet of long and short leaf Southern pine has already been used for concrete form work in the project. Giant locks of concrete and steel are being built, the enterprise to furnish the last link in a 9-foot navigable channel from the Great Lakes to the Gulf of Mexico.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

#### Whitney Advertising Manager.

The Whitney Metal Tool Co., Rockford, Ill., has appointed A. J. Henseler sales and advertising manager. Mr. Henseler has had wide experience in sales, advertising and promotional work.

#### Opens New Brick Plant.

The Missouri Fire Brick Co., St. Louis, has opened its new manufacturing plant at Farber, Mo., in the center of the north Missouri clay fields. The plant employs what is described as the latest and most efficient methods, including tunnel kiln burning.

#### Orders Oil-Electric Locomotives.

The American Rolling Mill Company, Middletown, Ohio, has ordered two additional 300-horsepower oil-electric locomotives for use in its plant at Ashland, Ky., the units to be duplicates of four locomotives already in service. They will be built jointly by the Ingersoll-Rand Company, New York; General Electric Company, Schenectady, N. Y., and the American Locomotive Company, New York.

#### Mecklenburg Iron Works Activities.

Business generally is picking up, according to J. Renwick Wilkes, president of the Mecklenburg Iron Works, Charlotte, N. C., one of the largest and oldest firms of its kind in the South, specializing in production of gas, oil and pressure tanks, smokestacks, boiler breechings, plate and sheet steel and boiler flues. The company's business for the first six months of this year compared favorably with that transacted during the first six months last year.

#### Graver Corporation Representative.

The Graver Corporation, East Chicago, Ind., manufacturers of water softening and purifying equipment, have appointed William E. Dunbar, Southeastern sales engineer, with offices in the Florida Theatre Building, Jacksonville. Mr. Dunbar's territory will include Florida, Georgia and Alabama.

#### Chain Belt Moves Houston Office

The Houston, Tex., office of the Chain Belt Company, Milwaukee, Wis., has been moved from the Marine Bank Building to larger quarters, 1310 Second National Bank Building. The company manufactures Rex deep well oil chains, conveyors and concrete mixers. Russell G. Davis is manager of the Houston office.

#### Florida Crusher for Arkansas Plant.

Specializing in the manufacture of rock crushers and similar machinery, the Ocala Iron Works, Ocala, Fla., recently shipped to the Arkansas Lime Products Company, White Cliffs, Ark., one of the largest rock crushers ever made at the Ocala plant. Based on the quality of lime rock found in the Ocala district, the machine has a daily capacity for handling 50 carloads of 50 tons each. Recently the company shipped a semi-steel framed crusher of 20-car capacity to the Florida Basic Rock Company, Marianna. In addition to crushers and accessory machinery, the company manufactures gears and other castings of iron, semi-steel and brass. Officers include George MacKay, president; Clarence Camp, vice president, and E. D. Cameron, general manager.

#### New Unit for Whitecomb Company.

A new factory unit is under way for the Geo. D. Whitecomb Co., Rochelle, Ill., manufacturers of industrial and railway locomotives. Expansion of the plant was necessitated by increased activity of the company, particularly in production of large machines for railroad service. The new unit will be used primarily for erection of large oil-electric locomotives from 20 to 100 tons. The structure is expected to be completed within 30 or 40 days; another addition also is to be started soon.

#### Ned A. Eppes.

The recent death of Ned A. Eppes, president and general manager of the Gulf Concrete Pipe Company, Houston, Tex., removes a pioneer from the concrete pipe industry, said to have been the first to sell only certified products. It is announced that there will be no change in the policies or personnel of the company, and that H. E. Johnson, who has been with the organization for eight years and is now its vice-president, will be in charge of its activities.

#### Coast Agency for Norfolk & Western.

The Norfolk & Western Railway Company plans to establish an agency in San Francisco, on September 15, with offices in the Monadnock Building, to handle details pertaining to freight traffic moving via the Panama Canal, the Port of Norfolk and points served in the mid-west and the southeast. The new office will be in charge of A. Drahos, now commercial agent of the Norfolk & Western at Denver, Col.

#### Frederick Airport Project

Frederick, Md. — Thomas Bourne, representative of the Airways Division of the Department of Commerce, and T. F. McGinnis, his assistant, have inspected the local air field, which is to be used as a stop on the Washington-Pittsburgh section of the Washington-Cleveland air route, for which the route has been chosen and sites selected for

fields and lights, the former to be 30 miles apart and the latter 10 miles. Contract is expected to be awarded soon for necessary work on the local landing field.

The State Funding Board, Nashville, Tenn., sold \$2,000,000 short term  $5\frac{1}{4}$  per cent highway notes to the Commerce Union Co., Nashville, and the Bankers Co. of New York, at a premium of \$425.

#### Florida Expects Heavy Tourist Season

Every piece of public work undertaken at this time which will utilize home labor, says the Florida State Chamber of Commerce, is of importance. The fall season is beginning and with it Florida communities should get ready for heavy winter travel indicated by all agencies in touch with the tourist situation.

## Seattle Speeds Up Traffic by Widening Street at Big Cost

Sets Example for Other Cities That Have Downtown Traffic Snarls

By E. E. DUFFY.

Boldness, or at least a lack of the unprogressiveness built up by habit, is necessary in outfitting the modern community to cope successfully with the automobile.

Seattle, Washington, has removed a traffic barrier at what at first might seem a tremendous cost, yet the one and one-quarter million dollar expenditure is a cheap price for the traffic benefits resulting.

A quarter-mile long street has been created there, a project that required the cutting through of four blocks occupied by buildings, most of which were several stories in height. Today cars flow freely over a 54-foot width of smooth pavement, which connects nicely with other main thoroughfares.

This street, called the Second Avenue Extension, permits Second avenue to continue on through the older diagonal section of the city. Travel has been speeded up remarkably.

The cost of acquiring the needed property, including property damages, consumed 77 per cent of the total money outlay. The actual paving operations and the placement of sewer and water

mains absorbed but 13 per cent of the total cost.

This high cost of property condemnation and acquisition, illustrates the need for regional planning work in growing cities, where through the establishment of set-back building lines, and other foresighted requirements, considerable money and difficulty in the future will be avoided.

Slashing through a street in the fashion of Seattle obviously required no little civic nerve. Yet most of the large American cities must take similar steps, for the automobile registrations are growing and half-way measures no longer bring any real relief.

Chicago is bridging the Chicago river wherever a bridge is practicable, Washington, D. C., is widening streets, New York City is building an elevated highway—and many, many other cities needing modern traffic facilities are doing nothing but planning.

There is more of the spirit of Seattle needed. The Second Avenue Extension was completed almost before the rest of the world interested in such projects knew that it was even being contemplated.

### Low Bid of \$1,300,000 for Drainage Work

New Orleans, La.—A tabulation of bids by the sewerage and water board indicates that the Fuller Construction Co., Dallas, Tex., submitted low bid at approximately \$1,300,000 for the construction of open, covered and lined and covered canals and pipe lines in Melpomene street, Washington avenue, Palmetto street, North Line street and the upper protection canal between Metairie pumping station No. 6 and Melpomene pumping station No. 1, all forming a part of what is known as the Metairie relief canal system. It is the biggest project in the extensive three-year improvement program in which the sewerage and water board is now engaged and is expected to solve the problem of uptown drainage occasioned by extraordinary rains of the last three years. The work will consist principally of enlarging existing canals, in order to provide for a larger flow of water. With the award of this contract the sewerage and water board, under its three-year schedule, will have awarded contracts involving

\$4,252,000, the work being done under the authority of a \$9,000,000 bond issue voted two years ago. So far \$4,000,000 of the bonds have been sold and the city council and city board of liquidation have approved another \$3,000,000 issue, which will probably be sold in the fall.

### PLEASURE BOAT PLANT PROJECTED

Dodge Interests Plan Initial Expenditure of \$1,000,000 at Newport News

Newport News, Va.—The Horace E. Dodge Boat and Plane Corporation, Detroit, Mich., plans to build here one of the largest plants in the world for the production of pleasure boats. Through the Old Dominion Land Company, 100 acres of land have been acquired for the site and it is expected that the first unit of the project, to represent an initial expenditure of \$1,000,000, will be completed by the end of the year. A power plant will be the first unit constructed. Production will consist of a number of types of motor boats and probably seaplanes.

### \$2,000,000 Plant to Produce Tinnallium

Plans have been announced by Alfred Tinnally, a chemical engineer, with offices in the Builders Exchange Building, San Antonio, Tex., for the construction within a year of a \$2,000,000 plant at El Paso for the manufacture of Tinnallium, a preservative compound for metals, wood and concrete. A factory site will be purchased, it is said, on the Alameda and the initial expenditure for the building, machinery and stock will be about \$150,000. A portion of the machinery is expected to be imported from Belgium. The location of the initial unit will permit a floor space of 23,000 square feet, sufficient to take care of the production of 500,000 pounds of Tinnallium paste per month, according to Mr. Tinnally, who explains that this will only be a temporary plant and that the larger plant for making Tinnallium preservative coatings will be built within the year. Claims made for the product is that it is proof against corrosion-rust, electrolysis, acids, alkali, oxidation, sulphur fumes, white ants, chemicals, heat, cold, steam, gas and brines. It is said to have been endorsed by prominent engineers, and it is understood that its production will be handled by the Tinnallium Chemical Products Co., San Antonio.

### Oak Manufacturing Company Changes

East Point, Ga.—At the annual meeting of stockholders and directors of the Oak Manufacturing Company at its office in Nashville, Tenn., Thomas W. Fletcher, Atlanta, was elected president, treasurer and general manager to succeed A. G. Velasco. O. J. Purnell, Atlanta, was re-elected vice-president; Paul L. Solomon, College Park, Ga., secretary and assistant treasurer, and Thomas W. Goodloe, Nashville, assistant secretary. In addition to the officers, Rogers Caldwell and E. W. Heitzeberg, Nashville; Walter T. Candler, Atlanta, and Mr. Velasco, Syracuse, N. Y., were elected directors. The company is capitalized at \$1,500,000 and occupies a 6-acre site and plant buildings at East Point of the Lullwater Manufacturing Co., including a 5200-spindle cotton mill formerly operated by that company. It has concentrated three manufacturing units here from Syracuse and Arcade, New York, and from Reading, Pa., with a daily production of 1000 dozen men's and boys' sweater coats and children's sleeping garments. The plant is said to be the largest knitting mill of its kind in the South, with selling offices in New York, Chicago and San Francisco.



## FARM BOARD ARRANGES FOR ADDITIONAL LOANS TO SOUTHERN COTTON COOPERATIVES

Plans Under Way for Formation of National Cotton Financing and Selling Organization

The Federal Farm Board on September 5 arranged for additional loans to cotton co-operative marketing associations of the South. Some time ago the board agreed to advance 25 per cent of the value of the cotton on which the associations had fixed a definite price, this advance to be supplemental to a 65 per cent loan already made by Federal Intermediate Credit Banks. This supplemental loan, making the total advances by Government agencies equal to 90 per cent of the fixed value of cotton, was specially designed to meet the needs of cotton farmers, members of co-operatives, who wish to realize the full price of their cotton when they need money, without regard to whether or not the cotton actually has been sold by the association. The additional loan agreement, now entered into between the board and the cotton co-operatives, provides for a supplemental 10 per cent advance on cotton on which prices have not been fixed. This cotton having previously been pledged to the credit banks for 65 per cent of its face value, the additional 10 per cent to be loaned by the Farm Board will permit the co-operatives to advance to its members 75 per cent of the value of the cotton at time of delivery by the members to the association.

The two types of loans are expected to meet every merchandising need of the Southern cotton co-operatives in their transactions with their membership, and should result in a very considerable increase in deliveries and in membership of the associations themselves.

The amount of money involved will be limited only by the demands of the co-operatives. So far as figures are available the sums to be advanced between now and December 15 under the two types of loans mentioned will probably run close to \$20,000,000.

Plans are also under way by the cotton co-operatives, with the approval of the Farm Board, for the formation of a national financing and selling organization, which it is hoped will include in its membership all of the cotton co-operatives of the South, and which will serve as a central organization for co-operative cotton in much the same way that the Farmers National Grain Corporation, now in process of formation, is expected to serve the grain co-operatives of the United States. The same general policy of centralization of effort in the marketing of the agricultural

commodities will apply to other farm products. It is the hope of the board that eventually these organizations, owned, controlled, and operated by farmers, may become large enough to do for farmers on a permanent basis many of the things which the Federal Farm Board is expected to do on a temporary basis.

## \$1,000,000 INSULATING PLANT FOR PENSACOLA

Newport Co. Announces Plans for New Industry

Pensacola, Fla.—Plans are being made by the Newport Company, J. H. McCormack, president, for constructing a \$1,000,000 mill here to manufacture insulating board. This company is at present engaged in producing rosin, turpentine, pine oil and similar products from cut-over lands, leaving a large quantity of dry shredded wood after the products have been extracted. It is understood that this waste product will be handled by the new plant as the basis for the manufacture of the insulating board. It will be ground to a powder and mixed with liquid sizer before being sent through huge rollers which send it forth in the form of a sponge-like roll. The roll is then dried and the product cut into desired sizes for the market. The new plant is expected to be in operation early next spring.

## Increasing Production of Sulphur

Houston, Tex.—Duval Texas Sulphur Company's No. 2 battery at its mines in Duval county, Texas, is being successfully operated, which has enabled the company to triple its sulphur production. All-rail shipments of sulphur from the mines have commenced, the first movement being to interior points in the United States. Vessel shipments from Corpus Christi will soon start. Ashcraft-Wilkinson Company, Atlanta, the sulphur company's distributor, are said to have closed European and domestic contracts that will absorb the company's output for the next 12 months. Some of these contracts are for periods ranging from three to five years. Duval Texas Sulphur is a subsidiary of United Gas Company.

## Charter Spinning Company

Lincolnton, N. C.—The Wampum Spinning Company, whose incorporators include R. S. Abernathy, Winter Haven, Fla.; J. A. Abernathy, Sr., J. A. Abernathy, Jr., and others of Lincolnton, has been chartered with an authorized capital stock of \$200,000 to manufacture yarns, cloth and other textile fabrics.

## SEEK \$1,000,000 FOR CHATTANOOGA INDUSTRIES

Chamber of Commerce Plans Extending Financial Aid to New and Enlarging Industries

Chattanooga, Tenn.—To carry out a co-ordinated plan to bring new industries to Chattanooga and aid in rehabilitating existing plants here, the Chamber of Commerce, in co-operation with several local banks, will endeavor to raise a fund of \$1,000,000. The chamber will be responsible for \$500,000 of the total, it is said, while the banks will take care of the remainder of it. Banks participating in the project include the Hamilton National Bank, First National Bank and the American Trust and Banking Company. Their work in raising half the proposed fund is contingent upon the success of the Chamber of Commerce in raising the first \$500,000, it is said. A special committee will be appointed at once by the Chamber of Commerce to confer with representatives of the banks relative to plans for securing the fund and it is thought a campaign for obtaining subscriptions will be put under way in November.

## New York Interests Propose Developing Florida Groves on Big Scale

Orlando, Fla.—New York interests plan to invest \$10,000,000 in bearing Florida citrus groves, according to H. S. Lyon and J. W. Eslinger of the Eslinger Real Estate Company, of this city, who are said to be acting as agents for the Orange County part of an all-state project. Present plans as revealed contemplate a nominal payment to grove owners as a binder to expire January 15, at which time the company would either release the property or pay cash for the grove on a basis of \$750 to \$1250 an acre. John A. Snively, Winterhaven, is reported handling the project and it is understood that unless options on \$10,000,000 worth of Florida groves can be obtained, the New York company will not come to the state. J. A. Dingwall and John Killinger, both of New York, are said to have been instrumental in interesting the company in the proposition.

## Open Shop Meeting in October

The 1929 meeting of the American Plan Open Shop Conference is to be held under auspices of the Open Shop Division of the Oklahoma City Chamber of Commerce, October 3-5 at Oklahoma City. Conference headquarters will be at the Huckins Hotel.

# FINANCIAL NEWS

## Bond Issues Proposed

Ala., Dothan—Refunding—City. I. P. Scarborough, Clk., receives bids Sept. 16 for \$69,000 6% bonds. 8-15

Ala., Fairfield—Sewer—City. G. C. Culpepper, Clk. sold \$105,000 6% bonds to Weil, Roth & Irving Co., Cincinnati, Ohio, at \$105.036. 8-22

Ark., Forest City—City Hall—City. James L. Scott, Mayor, voted bond issue.

Ark., Jonesboro—Courthouse—Craighead County, A. D. Weems, County Judge, defeated bonds. 8-28

Fla., Bradenton—Refunding—Manatee County authorized issuing \$170,000 bonds.

Fla., Daytona Beach—Refunding—City Comm. voted \$1,371,736 bonds.

Fla., Ft. Lauderdale—School—Broward County votes Sept. 14 on \$370,000 bonds.

Fla., Mount Dora—Town. W. J. Johnson, Clk., receives bids Sept. 10 for \$40,000 6% coupon Community Building bonds.

Ga., Cordele—Lighting System—City, votes Sept. 18 on \$85,000 bonds; \$15,000 electrification of city and \$70,000 light and power distribution system.

Ga., Madison—Courthouse—Morgan County, C. E. Brewer, votes Oct. 8 on \$30,000 bonds.

La., Baton Rouge—Airport—East Baton Rouge Parish, Joseph Gebelin, Pres. Police Jury, voted \$150,000 certificates of indebtedness.

Md., Brunswick—City. C. A. Orrison, Mayor, receives bids Sept. 24 for \$10,000 street and improvement bonds. 8-15

Miss., De Kalb—School—Kemper County voted \$50,000 bonds.

Miss., Prentiss—School—Prentiss Consolidated School Dist. Jefferson Davis County, voted \$15,000 bonds. 8-13

Mo., De Soto—Sewer—City. H. W. Harris, Clk. voted \$110,000 bonds. 8-29

Mo., Jefferson City—Highway—State, Sam A. Baker, Governor, receives bids Sept. 18 for \$7,500,000, 4½% of \$75,000,000 bonds, voted last Nov. 8-29

Mo., Norbonne—Water Works—City voted \$37,500 bonds. 2-28

Mo., St. Louis—City receives bids Sept. 26 for \$6,000,000 4½% bonds: \$1,000,000 streets, \$1,700,000 sewers, \$1,400,000 River Des Peres sewer, \$250,000 parks, \$1,475,000 Memorial Plaza, \$500,000 southern approach to Memorial Plaza and \$75,000 markets.

N. C., Stanley—Street—City will sell \$15,000 bonds.

N. C., Wilmington—School, County Home—New Hanover County plans \$252,000 bond issue for schools and \$28,000 for County Home.

Okla., Renfrow—Electric—Town voted electric light system bonds.

Okla., Roosevelt—Water—City voted \$36,000 bonds.

Okla., Wayne—Water—City voted \$27,500 bonds.

S. C., Columbia—School—Columbia School Board, F. C. Withers, Chmn., receives bids Sept. 19 for \$200,000 bonds.

S. C., Lancaster—Road—Lancaster County Bd. County Commrs. receives bids Sept. 17 for \$450,000 5½% bonds; K. M. Yoder, Clk. 8-27

Tenn., Bolivar—School and Roads—Hardeman County votes Oct. 5 on \$750,000 road bonds and \$100,000 school bonds.

Tenn., Elizabethton—Road and Jail—Carter County, James B. Deal, County Clk., voted \$498,500 road and \$25,000 jail bonds; opens bids for bonds Oct. 7. 5-16

Tenn., Knoxville—Bridge—Knox County Commrs. receive bids Sept. 16 for \$950,000 4½% bonds.

Tenn., Nashville—City opens bids Sept. 24 for \$390,000 street and \$355,000 general improvement bonds.

Tex., Beaumont—Road and Bridge—Jefferson County, B. B. Johnson, County Judge, votes Sept. 15 on \$4,070,000. 8-22

Tex., Belton—Road—Bell County considering \$1,000,000 bond election; Andy Rollins, Engr., Dallas.

Tex., Dallas—City, reported, will receive bids Oct. 1 for \$4,540,000 bonds; \$2,000,000 water, \$600,000 sanitary sewer, \$500,000 school \$400,000 street, \$300,000 paving, \$200,000 park and \$40,000 hospital.

Tex., Groveton—School—Groveton Independent School Dist., Trinity County, votes Sept. 21 on \$34,000 bonds.

Tex., Hayes Center—School—Hayes County High School Dist. votes Sept. 14 on \$30,000 bonds.

Tex., Highland Park, Dallas—Library—City, J. Ben Critz, Mayor, votes Sept. 14 on \$75,000 bonds. 6-20

Tex., Houston—Hospital—City contemplates holding \$1,000,000 special bond election.

Tex., Kermit—Road—Winkler County votes Sept. 17 on \$225,000 bond issue.

Tex., Luling—Road—Caldwell County Precinct 2 voted \$500,000 bonds.

Tex., Lufkin—School—Lufkin Independent School voted \$40,000 bonds.

Tex., Marlin—Falls County, Road Dist. No. 4, defeated \$453,000 bonds: \$48,000, retiring bonds; \$45,000, maintenance; \$300,000, highways. 8-15

Tex., McAllen—Airport—City Commrs. voted to call election for \$30,000 bonds for airport.

Tex., Ringgold—School—Ringgold Independent School Dist. voted \$20,000 bonds.

Tex., Roby—Fisher County votes Sept. 28 on \$190,000 refunding and \$1,210,000 road bonds.

Tex., Stinnett—Road—Hutchinson County votes Sept. 27 on \$150,000 bonds. H. M. Hood, County Judge. 8-29

Tex., Troup—City voted \$60,000 bonds, \$21,000 waterworks, \$25,000 sewer and \$14,000 refunding bonds. 8-8

Tex., Tyler—School—City, Lee Powell, City Mgr., receives bids in about 20 days for \$262,000 bonds.

Va., Charlottesville—City votes Oct. 8, \$675,000 bond issue; including \$255,000 sewer; \$245,000, school; \$75,000, street; \$100,000 floating indebtedness.

W. Va., Benwood—School—Union District Board of Education, H. C. McKinley, Sept., contemplates election, \$125,000 to \$150,000, for schools in McMechen, Benwood and Sherard.

W. Va., Huntington—Road—Cabell County, Grant Dist., R. S. Douthat, Clk., will sell \$286,000 bonds to State of West Virginia. 8-15

W. Va., Parkersburg—Wood County Court Commrs. will pave Lakeview Drive, River road to St. Marys Pike; approximate cost \$14,500.

## Bond Issues Sold

Ark., Little Rock—Street—City sold \$54,000 5½% Street Improvement Dist. No. 509 bonds to American Southern Trust Co. at 99.

Fla., Melbourne—Refunding—City Comm. sold \$16,000 at 95 to Brown-Crummer Investment Co., Wichita, Kans.

Ga., Columbus—City sold \$275,000 4½% bonds at 100.31 to syndicate comprising the Trust Co. of Georgia, Atlanta, the Robinson-Humphrey Co., Atlanta, and Andrew Prather & Co.

La., De Ridder—School—Beauregard Parish sold \$200,000 bonds to Watson-Williams Co., New Orleans, at 89¼.

La., Lafayette—Airport—City sold \$25,000 5% bonds to First National Bank, Lafayette, at par, accrued interest and premium of \$25,000. 8-8

Md., Cumberland—City, Frank Billmeyer, Mayor, sold \$100,000 5% flood prevention bonds to Stein Brothers & Boyce and Mercantile Trust Co., Baltimore, at 100.57. 8-29

Miss., Long Beach—School—City sold \$14,000 bonds to J. R. Porter, Gulfport, Miss. 8-8

Mo., De Soto—Sewer—City, H. W. Harris, Clk., sold \$110,000 5¼% bonds to Boatmen's National Co., St. Louis, Mo. 8-29

Mo., Poplar Bluff—Waterworks—City sold \$100,000 5¼% bonds at par plus .83 to Boatmen's National Co., St. Louis, Mo. 8-29

N. C., Durham—Bankers Co., New York, N. Y., reported, purchased \$600,000 6% bonds.

N. C., Lexington—School—Davidson County sold \$82,000 5¼% bonds to Caldwell & Co., Nashville, Tenn., at \$82,602.70. 8-29

N. C., Monroe—School—Union County, Mineral Springs School Dist. sold \$40,000 bonds to Weil, Roth and Irving Co., Cincinnati at premium of \$428.

N. C., Trenton—Funding—Jones County sold \$25,000 5½% bonds to Provident Savings Bank & Trust Co., Cincinnati.

Okla., Seminole—Water—City sold \$17,500 bonds to S. D. Powell, Seminole.

South Carolina—Road—Capitol Highway Dist., Richland, Lexington and Saluda Counties sold \$500,000 5¼% bonds to Eldredge & Co., New York at par, accrued interest and premium of \$4065.

S. C., Laurens—Highway—Laurens County reported sold \$139,000 5½% bonds to Stranahan, Harris & Oatis, Toledo.

Tenn., Selmer—School—McNairy County Court sold \$120,000 5¼% bonds at par to Commerce Securities Co., Memphis.

Texas—State Board of Education, Austin, purchased \$14,000 Era Independent School District Bonds and \$22,000 Richards Independent School Dist. bonds.

Tex., Brownfield—Paving—City sold \$60,000 bonds to Panhandle Construction Co., Lubbock at par. 8-22

Tex., Port Neches—Sewer and Water—City sold \$135,000 bonds to the San Jacinto Trust Co., Houston.

Tex., San Angelo—Merchants Loan Co. increased capital, \$10,000 to \$30,000; W. S. Pickett, Sec.-Cashier.

Tenn., Trenton—Funding—Jones County Commrs. sold \$25,000 5½% bonds to the Provident Savings Bank & Trust Co., Cincinnati.

W. Va., Wayne—Road—Ceredo District, Wayne County, sold \$400,000 bonds to State Sinking Fund Comm., Charleston.

## Building and Loan Associations

Ky., Owensboro—Owensboro Building and Loan Association increased capital, \$1,000,000 to \$1,500,000.

La., Lafayette—Home Building and Loan Association, capital \$20,000; George Doucet, Pres.; J. F. Jeanmaud, Sec.

Md., Baltimore—Beverly Hills Building & Loan Assn., 4547 Harford Road; incorporated; 5,000 shares, par value \$130; Ralph W. Simmers.

## New Financial Corporations

Fla., De Land—Bank of De Land, capital \$50,000, chartered; C. D. Dyal, Pres. Daytona Bank & Trust Co., Pres.

La., Alexandria—Security Mortgage Co. of Louisiana, Inc., increased capital to \$100,000; Chas. W. Brown, Vice-Pres.; George A. Burton, Sec.

La., Alexandria—Dependable Finance & Security Co., Inc., capital \$50,000; A. H. Crockett, Pres.; C. F. Crockett, Sec.

La., Denham Springs—Peoples Farm Finance Co., Inc., increased capital to \$50,000; H. P. Mitchell, Pres.; J. W. Noblett, Sec.

La., New Orleans—Fidelity Investment Co., Inc., D. J. Barringer, Pres., 826 St. Louis St., New Orleans; Gladys Bierhorst, Sec., 4404 St. Peter St., New Orleans.

Okla., Reydon—First State Bank, incorporated, capital \$15,000; I. C. Thurmond, Jr., Oklahoma City and R. N. Higgins, Jr., Cheyenne, Okla.

Okla., Stillwater—First National Bank of Stillwater and American National Bank of Stillwater consolidated under corporate title of American-First National Bank of Stillwater; capital stock \$125,000.

Tex., Abilene—Howerton Finance Corp., 6000 shares no par value; J. V. Howerton; Russell Howerton.

Tex., Dallas—Brooks Investment Co., capital stock \$100,000; Lewis C. Brooks, 5906 Worth St.

Tex., San Antonio—Central Trust Co., Guaranty State Bank and City National Bank merged to operate under name of City Central Bank and Trust Co., W. R. King, Pres.

Tex., Seguin—Mundine Investment Co. incorporated, capital \$50,000; J. H. Mundine, J. A. Nix.

Va., Alexandria—Dominion Investment Corporation; George McLaughlin, Pres., 2829 28th St., N. W., Washington, D. C.

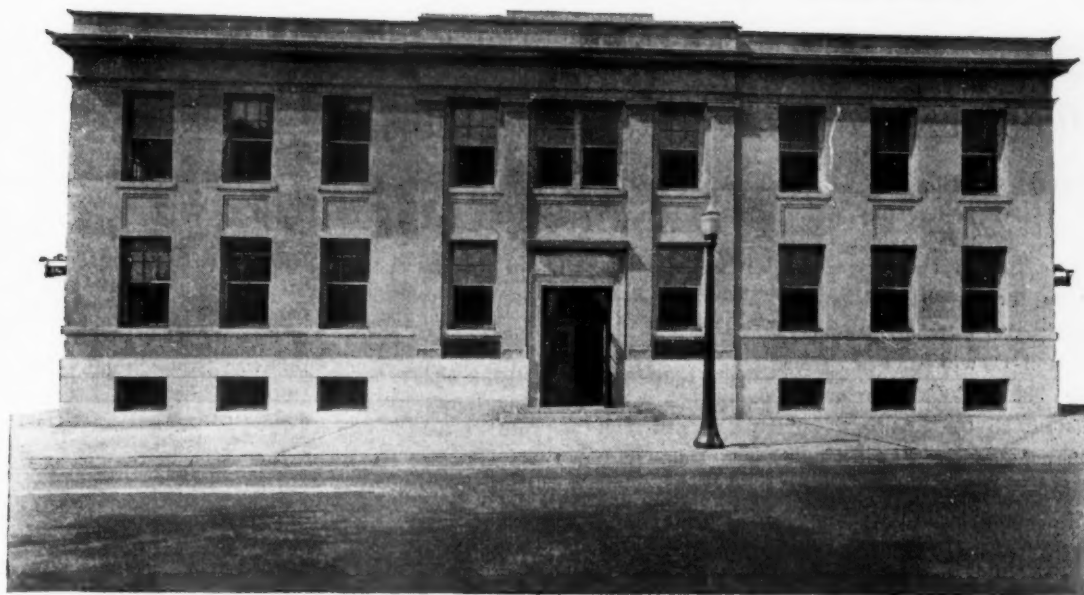
Va., Richmond—Iromer Investment Corporation, Miltrose Investment Corporation, Aldomar Investment Corporation and Momar Investment Corporation, each capitalized at

(Continued on page 98).



# LEADITE

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\*Mr. Davis is a Past President of both the American Water Works Association and the New England Water Works Association—also former Chief Engineer of Philadelphia Bureau of Water for 11 years.

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THE LEADITE COMPANY  
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## No Caulking'



## FINANCIAL NEWS

(Continued from page 96)

\$10,000 organized, by Isaac J. Marcuse, and Milton S. Marcuse, 2213 Monument St., Richmond.

Arthur Mauldin, Dallas, Tex., purchased controlling interest in Seaboard Bank and Trust Co., Port Arthur, Tex.; plans increasing capital stock from \$100,000 to \$200,000.

Central Trust Co., Frederick, Md., plans increasing capital stock, \$600,000 to \$1,000,000; Emory L. Coblenz, Pres.

Commercial National Bank and Merchants and Planters National Bank, Sherman, Tex. merger effective Oct. 1, to be known as Merchants and Planters National Bank.

First National Bank of Highland and Citizens Bank of Highland, Monterey, Va., merged under name of First and Citizens

Bank and Trust Co., with capital of \$50,000.

Stockholders of Peoples National Bank, Fairmont Trust Co. and Home Savings Bank Fairmont, W. Va., voted to consolidate; to be known as the Union National Bank.

The Appalachian Corp., sponsored by Gillet & Co., Light & Redwood Sts., Baltimore, organized with authorized capital of 1,000,000 shares of no par value, to buy, sell, trade or hold stocks and securities, to participate in syndicates and underwritings.

### \$50,000,000 Expenditure Planned in Florida

**Southern Sugar Company Carrying Out Seven-Year Development Program—Increases Capital Stock**

Referring to the recent action of stockholders in increasing the capital stock of the Southern Sugar Company, Chicago, Ill., and Clewiston, Fla., from \$5,000,000 to \$30,000,000, Thomas F. Kearns, assistant to the president, advises that the company is entering on a development program which will require seven years to complete. Funds will be provided by the issuance of stock from year to year as each stage of the development is about to be undertaken. When its properties have been fully developed, it is estimated that financial requirements will have reached a total of approximately \$50,000,000. The American Appraisal Company, Milwaukee, Wis., is now engaged in making a plan of the development.

According to a statement attributed to Jules M. Burguleres of West Palm Beach, Fla., executive vice-president of the company, a total of \$14,000,000 has been expended by the Southern Sugar Company in the territory between Canal Point and Clewiston, where it operates large sugar plantations, with a sugar mill at Clewiston already in operation and a 5000-ton mill planned for Canal Point, the latter estimated to cost \$5,000,000. Railroad tracks are to be run

to the site of the mill and a "Y" installed for hauling construction material. Sugar cane is growing on 12,000 acres in the territory, it is said, and ground is being prepared for planting 25,000 acres additional this fall, the latter acreage to be available for next season's run. The company was recently reported as purchasing more than 17,000 acres of land in Martin County and as having awarded contracts and started drainage and irrigation work on its holdings around the southern end of Lake Okechobee.

Upon the completion of the drainage and irrigation project, which is expected to require about five months, additional pumps will be installed, it is said, with a total capacity of 540,000 gallons of water per minute, this phase of the development representing a cost of \$650,000. In addition to drainage facilities now available on the holdings of the company, this project will bring the total pumping capacity to 1,650,000 gallons per minute, according to R. Y. Patterson, in charge of the drainage for the company. The project includes additional work at South Line, directly south of Clewiston; unit C of the South Florida Conservancy district, south of Clewiston and Bare Beach and east of Lake Harbor; Pahokee district east unit and the north side of the West Palm Beach canal in the Pelican Lake district.

### 12-Story Insurance Building

Construction is expected to start within 60 days on a new 12-story building to be erected at Saratoga and Charles streets, Baltimore, by the Baltimore Life Insurance Company, Arthur R. German, vice-president. Plans for this structure supersede the original plans of the company which contemplated a six or eight-story building. The new building will front 100 feet on Charles street and 87.6 feet on Saratoga street, with a set-back

on the second story to permit sunlight and add to the effectiveness of the outline, and another set-back on the eleventh floor, upon which a roof garden will be laid out. Space will be provided on the first floor for four stores, while the second and third floors will be devoted to offices. The remainder of the building will be occupied by the company, the eleventh floor to accommodate an auditorium and the twelfth floor, a library. Mottu & White, Baltimore, are the architects.

### To Sell \$6,000,000 Bonds

St. Louis, Mo.—Bonds in the amount of \$6,000,000 will be sold September 26 in the office of the Mayor, according to an announcement by the City Comptroller's office, the bonds to bear an interest rate of 4½ per cent. These bonds are a portion of the \$87,372,500 issue of 1923 and funds from the sale will be used as follows: Street improvement, \$1,000,000; sewers, \$1,300,000; River des Peres, \$1,400,000; parks, \$250,000; Memorial Plaza, \$1,475,000; southern approach to municipal bridge, \$500,000 and markets, \$75,000.

### Bank Merger at Sherman, Tex.

Sherman, Tex.—According to a joint statement by C. B. Dorchester, president of the Merchants and Planters National Bank, and W. R. Brents, president of the Commercial National Bank, these institutions will consolidate October 1, the business to be conducted in the name of the Merchants and Planters National Bank and in the quarters occupied by that institution. Capital and surplus of the Merchants and Planters bank is \$1,200,000 and that of the Commercial bank, \$500,000.

### Harmon County (Okla.) Chamber of Commerce Reorganized

Reorganization of the Harmon County Chamber of Commerce, Hollis, Okla., has been effected with the election of new officers, a board of directors and adoption of new constitution and by-laws. E. A. Berry is president; M. B. Dixon, vice-president; Oscar Bryant, treasurer, and J. W. Ratekin, secretary. The principal speaker of the meeting, Jerry Debenport, who is secretary of the Childress Chamber of Commerce and also secretary of the recently organized highway association, Scenic Route to Carsbad Cavern, emphasized the importance of chamber of commerce work in community up-building, and cited the development of the dairy industry in Childress county which in four years increased its production from \$16,000 to \$250,000 annually, with 900 farmers co-operating.





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A N A T I O N A L O R G A N I Z A T I O N

## PROPOSALS

Bids close September 26, 1929.

U. S. DEPARTMENT OF AGRICULTURE, Bureau of Public Roads, Washington, D. C., August 27, 1929.—Sealed bids, subject to the conditions contained herein, will be received until eleven o'clock A. M. September 26, 1929, and then publicly opened, for furnishing all labor and materials and performing all work for that part of unit 1 of the Mount Vernon Memorial Highway included under Contract B. Unit 1 is located in the District of Columbia, partly in Alexandria, Virginia, and partly in Arlington and Fairfax Counties, Virginia. Contract B consists of the construction of the "Hydraulic Fill" and the "Special Hydraulic Fill," and subsidiary item or items as shown in the Bid schedule for Contract B. The bids will be publicly opened in the office of the Chief, Bureau of Public Roads, U. S. Department of Agriculture. Information for bidders, together with questionnaires, may be obtained at the office of the U. S. Bureau of Public Roads, Willard Building, Washington, D. C. Bidders will be required to show experience and qualifications satisfactory to the contracting officer. Each proposal shall be accompanied by such a showing on forms furnished by the U. S. Bureau of Public Roads. The length of the unit to be constructed or improved is approximately 2.288 miles and the items of work are approximately as follows: 1. Hydraulic Fill, 1,337,120 cubic yards; 2. Special Hydraulic Fill, 161,020 cubic yards. Where copies of plans are requested, a deposit of \$10.00 will be required to insure their return. All checks should be made payable to A. Zappone, Disbursing Clerk, U. S. Department of Agriculture. If within 15 days after opening bids plans are not returned, the deposit will be forfeited to the Government. Guarantee will be required with each bid as follows: (See paragraph 8 of Instruction to Bidders). In the sum of not less than 20 per cent of the total amount bid for the entire work. If certified check is furnished it should be made payable to A. Zappone, Disbursing Clerk, U. S. Department of Agriculture. Performance bond will be required as follows: In the sum of 100 per cent of the total amount bid for the entire work. Liquidated damages for delay will be the amount of \$200.00 for each calendar day of delay until the work is completed. Partial payments will be made as

stipulated in the specifications. (See Article 16 of contract.) Article on patents will be made a part of the contract. (See directions on back of contract.) Bids must be submitted upon the Standard Government Form of Bid and the successful bidder will be required to execute the Standard Government Form of Contract for Construction. The right is reserved, as the interest of the Government may require, to reject any and all bids, to waive any informality in bids received and to accept or reject any items of any bid, unless such bid is qualified by specific limitation. Envelopes containing bids must be sealed, marked and addressed as follows: Bid for Contract B, unit 1, Mt. Vernon Memorial Highway, Bureau of Public Roads, U. S. Department of Agriculture, Washington, D. C. To be opened at 11 A. M. September 26, 1929. P. St. J. Wilson, Acting Chief of Bureau.

Bids close October 15, 1929.

### Notice of Sale of \$1,000,000 Bonds of Florida Inland Navigation District, Florida

Jacksonville, Fla.  
Sealed proposals will be received by the undersigned Board of Commissioners of the Florida Inland Navigation District, State of Florida, at or before 11 o'clock A. M. on Tuesday, October 15, A. D. 1929, at City Commission Chamber, City Hall, Jacksonville, Duval County, Florida, for the following bonds of said Florida Inland Navigation District, a special taxing district composed of Duval, St. Johns, Flagler, Volusia, Brevard, Indian River, St. Lucie, Martin, Palm Beach, Broward and Dade Counties, in the State of Florida:

Seven Hundred Fifty Thousand Dollars (\$750,000.00) "Canal Purchase Bonds," dated September 1, A. D. 1928, due Fifty Thousand Dollars (\$50,000.00) each year 1934-1948, both inclusive. Interest payable semi-annually on September 1st and March 1st each year at four per cent per annum. Denomination \$1000.00 each.

Two Hundred Fifty Thousand (\$250,000.00) Dollars "Right-of-way purchase bonds," dated September 1, A. D. 1928, due Seventeen Thousand (\$17,000.00) Dollars each year 1934-1943, both inclusive, and Sixteen Thousand (\$16,000.00) Dollars each year 1944-1948, both inclusive. Interest

Additional Proposals on Pages 103-105

payable semi-annually on September 1st and March 1st each year at 4% per annum. Denomination One Thousand (\$1000.00) Dollars each. Bids on this issue will be received on all or any portion of the total amount of Two Hundred Fifty Thousand (\$250,000.00) Dollars of these bonds.

Bids will be received upon each of these issues separately and upon the two issues together.

Both of said issues of bonds have been validated by decree of the Circuit Court of Volusia County, Florida, and subsequently affirmed by the Supreme Court of Florida. Also these bonds were validated by Senate Bill No. 138, Legislature of State of Florida, Session 1929.

Delivery of these bonds to be made at Florida National Bank, Jacksonville, Florida.

Both principal and interest on said bonds payable at Florida National Bank, Jacksonville, Florida, or at Guaranty Trust Company of New York City, N. Y., at the option of the holder thereof.

The Board of Commissioners reserves the right to require any or all of the successful bidders to immediately file with its proposal when accepted cash or certified check upon an incorporated Bank or Trust Company in the State of Florida, payable to the order of Frank H. Owen, Esq., Treasurer of Board of Commissioners, Florida Inland Navigation District, for one per centum of the par value of the bonds bid for. The cash or check of the successful bidder to be retained by the Commission as security for the completion of the contract of sale by the purchaser.

These bonds to be sold subject to the approving opinion of Messrs. Thomson, Wood & Hoffman of New York City, N. Y., to be furnished by the Commissioners. The right to reject any and all bids is hereby reserved.

It is requested that no bids be made except on the form provided by the Board of Commissioners, which form will be supplied by the undersigned upon request.

For further information address Frank H. Owen, Esq., 1701 Barnett National Bank Building, Jacksonville, Florida, Treasurer, or Alfred A. Green, Daytona Beach, Florida, attorney for the Commission.

CHARLES F. BURGMAN,  
Chairman Board of Commissioners,  
Daytona Beach, Florida.

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## PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 17, 1929.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 9, 1929.—SEALED BIDS will be opened in this office at 3 P. M. October 17, 1929, for extension and remodeling of the U. S. Post Office at Greenville, Texas. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, and provided a deposit is made of \$25.00 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 10, 1929.

DEPARTMENT OF INTERIOR, Washington, D. C., August 29, 1929.—Sealed proposals, in duplicate, will be received at the Department until 2 o'clock P. M. October 10, 1929, and then publicly opened, for the construction, equipment and furnishing of Women's Dormitory Building No. 1 at Howard University, Washington, D. C., in accordance with plans and specifications, copy of which, with form of proposal, may be had upon application to Chief Clerk of the Department. A certified check for \$100, payable to Secretary of Interior, will be required as a guaranty of the safe return of plans loaned. Itemized proposals as detailed under Building No. 1, page 3, of standard form of bid covering construction, equipment and furnishing of building will be received.

Proposals may also be submitted for the construction and equipment of Buildings

Nos. 2, 3, 4 and 5. No contracts can be awarded for these buildings, however, until and when Congress makes adequate appropriation. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of the bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. The right is reserved to reject any or all bids, waive technical defects, accept one part and reject the other as the interest of the Government may require. Proposals must be securely enveloped, marked "Proposals for the construction and equipment of a Women's Dormitory, Howard University," and be addressed to the Secretary of the Interior, Washington, D. C. John H. Edwards, Assistant Secretary.

Bids close September 24, 1929.

### State Highways

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

#### NOTICE TO CONTRACTORS

Baltimore, Md.  
SEALED PROPOSALS for building four sections of State Highway as follows:  
Charles County, Cont. Ch-69—One section of State Highway from Pomfret toward Pomonkey, a distance of 2.0 miles. (Gravel.)

Kent County, Cont. K-45—One section of State Highway from Kennedyville to Chesterville via Cleaver's Corner, a distance of 6.0 miles. (Concrete.)

Wicomico County, Cont. W1-33—One section of State Highway along the Salisbury-Snow Hill Road from E. Main Street, Salisbury, toward Snow Hill, a distance of 1.5 miles. (Concrete.)

Worcester County, Cont. Wo-62—One section of State Highway along the Snow Hill-Whitton Road from the end of Cont. Wo-37 toward Whitton, a distance of 1.1 miles. (Concrete.)

will be received by the State Roads Commission at its offices, Federal Reserve Bank Building, Calvert and Lexington Streets, Baltimore, Maryland, until 12 M. on the 24th day of September, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 6th day of September, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close October 1, 1929.

### Bridge

#### DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

##### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building a bridge as follows:

Kent County, Cont. K-37—Reinforced concrete pile girder bridge approximately 1460 feet in length, with a 20-ft. 0-in. clear roadway and one (1) 5-ft. 0-in. clear sidewalk, over the Chester River at Maple Ave., in Chestertown, to a point opposite in Queen Anne's County.

will be received by the State Roads Commission at its offices, Federal Reserve Bank Building, Calvert and Lexington Streets, Baltimore, Maryland, until 12 M. on the 1st day of October, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 7th day of September, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close September 16, 1929.

### Bridge Substructure

#### DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

##### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building a Bridge Substructure as follows:

Garrett County, Cont. G-44—Substructure for a triple-span steel girder bridge over the tracks of the Baltimore and Ohio Railroad Company on the road from Deer Park to Kitzmiller at Wilson. The entire superstructure and all structural steel is under a separate contract.

will be received by the State Roads Commission at its offices, Federal Reserve Bank Building, Calvert and Lexington Streets, Baltimore, Maryland, until 12 M. on the 16th day of September, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 31st day of August, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close September 17, 1929.

### Highway Construction

#### DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

##### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building seven sections of State Highway as follows:

Calvert County, Cont. C-31—One section of State Highway along the Mutual-Mackall Road from the end of Cont. C-29 toward Mackall, a distance of 2.0 miles. (Gravel.)

Carroll County, Cont. C1-79—One section of State Highway along the Lineboro Road from the end of Cont. C1-62 to the Penna. Line, a distance of 1.0 mile. (Concrete.)

Frederick County, Cont. F-99—One section of State Highway from Johnsville toward Union Bridge, a distance of 1.0 mile. (Concrete.)

Montgomery County, Cont. M-140—One section of State Highway along the Plummer's Corner-Norbeck Road from Redland toward Norbeck, 1 mile, and from Norbeck toward Redland, 1 mile, making a total distance of 2.0 miles. (Concrete Shoulders.)

Montgomery County, Cont. M-141—One section of State Highway along the Glenmont-Sandy Springs road from Layhill to Sandy Springs, a distance of 3.0 miles. (Penetration Macadam Resurfacing.)

Prince George's County, Cont. P-95—One section of State Highway from the Riggs Road toward Old Powder Factory Road, a distance of 1.0 mile. (Concrete.)

Prince George's County, Cont. P-98—One section of State Highway along Jefferson Avenue, in Riverdale, from the Baltimore-Washington Blvd. to Edmondston Road, a distance of 1.1 miles. (Concrete.)

will be received by the State Roads Commission at its offices, Federal Reserve Bank Building, Calvert and Lexington Streets, Baltimore, Maryland, until 12 M. on the 17th day of September, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 31st day of August, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close October 1, 1929.

### Concrete Highways

Baton Rouge, La.

Sealed Proposals will be received by the Louisiana Highway Commission, Room No. 608, Louisiana National Bank Building, Baton Rouge, Louisiana, until 11 o'clock A. M. on Tuesday, October 1, 1929. Proposals will not be received after this hour. At 11.15 o'clock A. M. of the same day and date they will be publicly opened and read in the Chamber of House of Representatives in the State Capitol Building. The work will consist of paving the following projects with Portland Cement Concrete Pavement and other work in connection therewith:

PROJECT NO. 1000, CROWLEY-MERMENAU HIGHWAY, located in Acadia Parish, Route No. 2. Length 13.7 miles; width 18 feet; Concrete Pavement. Charges for plans \$5.00.

PROJECT NO. 1601, ARCADIA-GIBSLAND HIGHWAY, located in Bienville Parish, Route No. 4. Length 9.8 miles; width 18 feet; Concrete Pavement. Charges for plans \$3.50.

PROJECT NO. 3201, NEW IBERIA-LAFAYETTE HIGHWAY, located in Iberia, St. Martin and Lafayette Parishes, Route No. 2. Length 22.0 miles; width 18 feet; Concrete Pavement. Charges for plans \$6.00.

PROJECT NO. 4401, CAMPTI-COUSHATTA HIGHWAY, located in Natchitoches and Red River Parishes, Route No. 10. Length 17.3 miles; width 18 feet; Concrete Pavement. Charges for plans \$5.00.

PROJECT NO. 6150, COVINGTON-MANDEVILLE HIGHWAY, located in St. Tammany Parish, Route No. 34. Length 8.7 miles; width 18 feet; Concrete Pavement. Charges for plans \$3.00.

PROJECT NO. 6100, RIGOLETS-SILDELL EAST PEARL RIVER HIGHWAY, located in St. Tammany Parish, Route No. 2. Length 18.8 miles; width 18 feet; Concrete Pavement. Charges for plans \$5.00.

PROJECT NO. 5251, MANY-FLORIEN HIGHWAY, located in Sabine Parish, Route 42. Length 8.1 miles; width 18 feet; Concrete Pavement. Charges for plans \$3.00.

PROJECT NO. 1151, OBERLIN-KINDER HIGHWAY, located in Allen Parish, Route No. 24. Length 7.0 miles; width 18 feet; Concrete Pavement. Charges for plans \$3.00.

PROJECT NO. 3950, TROUT-JENA

HIGHWAY, located in LaSalle Parish, Routes No. 6 and No. 19. Length 4.5 miles; width 18 feet; Concrete Pavement. Charges for plans \$2.00.

PROJECT NO. 2350, HOMER-MINDEN HIGHWAY, located in Calborne Parish, Route No. 11. Length 7 miles; width 18 feet; Concrete Pavement. Charges for plans \$3.00.

PROJECT NO. 4502, CHEF MENTEUR-RIGOLETS HIGHWAY, located in Orleans Parish, Route No. 2. Length 8.5 miles; width 20 feet; Concrete Pavement. Charges for plans \$3.00.

Full information and proposal forms are available at the offices of the Highway Commission at Baton Rouge. Plans and specifications may be inspected there or will be furnished upon payment of amounts specified above (not to be refunded).

O. K. ALLEN, Chairman.

Louisiana Highway Commission.  
W. H. NORCKAUER,  
State Highway Engineer.

Bids close September 16, 1929.

### Street Paving and Sewers

Waynesboro, Va., Aug. 20, 1929.

Sealed proposals for the construction of Sheet Asphalt, Asphaltic Concrete, Warrenite-Bitulithic, Rock Asphalt, Cement Concrete Pavement, Bituminous Macadam, (penetration method) and all appurtenances, including storm sewers, catch basins, etc., for paving certain streets as outlined in the specifications on file, and also sealed proposals for the construction of certain storm and sanitary sewers as covered by specifications now on file, will be received at the office of the Town Manager at Waynesboro, Virginia, until 2.30 o'clock P. M. on the 16th day of September, A. D. 1929, at which time all bids will be publicly opened and read and the rates noted.

Bids must be made per unit of the several different kinds of paving specified and per unit upon the various items involved in the construction of the storm and sanitary sewers, but the Town reserves the right to let the work in sections for the entire work at the unit price bid in the best interests of the Town. Each bid must be accompanied in a separate envelope by a certified check on an Incorporated Bank or Trust Company in the sum of five per cent. (5%) of the bid, based on the estimate of the Engineers.

Plans and specifications are on file with I. G. Vass, Town Manager, of Waynesboro, Va., and with W. B. Gallaher, Jr., City Engineer, of Waynesboro, Virginia.

It is desired to let the entire work to one contractor, but the right is reserved to reject any and all bids, or to award the work in parts or sections as is considered to be the best interest of the Town.

All bids must be on the blanks provided by the Town, copy of which is bound with the specifications. Contractors are cautioned to examine the plans and specifications, form of contract, bond and conditions under which the work will be done before bidding.

By order of the Town Council,

I. G. VASS,

Town Manager.

Engineer,  
W. B. GALLAHER, JR.,  
Waynesboro, Va.

Bids close September 16, 1929.

### Sewerage System

Easton, Md.

Sealed proposals for the construction of certain extensions to the Sewerage System of Easton, Maryland, will be received and opened by the Easton Utilities Commission at its office in Easton, Maryland, at two o'clock P. M. on Monday, the sixteenth day of September, 1929.

The work to be done comprises the complete construction of approximately 17,500 lineal feet of 8" to 12" pipe Sewers, together with manholes, flushing manholes and house connections.

Form of contract, specifications, proposal blanks and plans may be had of the Town Engineer or at the office of the Easton Utilities Commission. Plans will be furnished upon a payment of five (5) dollars for each set.

Each proposal for the work must be accompanied by a certified check, drawn to the order of the Easton Utilities Commission, in the sum of one thousand dollars (\$1000). The Easton Utilities Commission reserves the right to reject any or all bids or to accept any bid which it deems serves the best interests of the Town of Easton.

THE EASTON UTILITIES COMMISSION.  
S. E. SHANAHAN, Secretary.  
E. G. KASTENHUBER, JR.,  
Town Engineer.



Bids close September 18, 1929.

**Paving**

Easton, Md.  
Sealed proposals will be received by the Mayor and Council of Easton at their office in Easton, Maryland, at 1.30 P. M. Wednesday, September 18, 1929, for paving with cement concrete 1872 square yards of roadway on Harrison Street, Easton, Maryland. Contract, specifications, plans and blank proposal forms may be obtained from the Town Engineer.

A certified check in the sum of \$250.00 must accompany each bid.

The Mayor and Council reserve the right to reject any or all bids.

RICHARD GOLDSBOROUGH,

Town Clerk.

E. G. KASTENHUBER, JR.,

Town Engineer.

Bids close September 20, 1929.

**Waterworks Improvements**

Lafayette, La.  
Sealed proposals will be received by the City of Lafayette, Louisiana, at the office of the Mayor until 10 A. M. o'clock September 20th, 1929, for the furnishing of labor, material and equipment, construction of a Water Filtration Plant, Pumps, repairs to pumps, Water Meters installed and accessories in and for the City of Lafayette, Louisiana.

The work embraces approximately the following:

- 1—1,500,000 Gallon Filter Plant.
- 1—200,000 Gallon Reservoir.
- 1—Deep Well with Pump.
- 1—Wash Water Pump.

1500—Water Meters and Installation, Pipe Line Extensions and Additions, Accessories.

This is a General Contractor's job except for the pumps and meters. The other equipment and supplies will be furnished by the Contractors on the several items.

The specifications may be seen at the Mayor's office or the office of the Engineers. Copies may be secured from the above places on deposit of \$5.00, which will be returned

to bona fide bidders, but not returned to those not bidders.

Plans may be seen at the above places, and copies may be secured from the Engineers on payment of \$15.00 for Filter Plans.

Each bid must be accompanied by a certified check or bidder's bond acceptable to the City Trustees for 5% of the amount bid.

A bond in the sum of 50% of the amount of the contract will be required for the faithful performance of the contract.

The city reserves the right to reject any or all bids, or to award the contract by sections or groups of similar items to different contractors, if found to the best interest of the city.

CITY OF LAFAYETTE, LOUISIANA.

J. GILBERT ST. JULIAN, Mayor,

Trustee of Public Safety.

LOUIS CHOPIN,

Trustee of Finance.

WILSON J. PECK,

Trustee of Public Property.

Engineers

THE J. B. McCRARY COMPANY,

Atlanta, Georgia.

Bids close September 16, 1929.

**Storm Drain**

Easton, Md.

Sealed proposals will be received and opened by the Mayor and Council of Easton at their office, Easton, Maryland, at 3.30 P. M. Monday, September 16, 1929, for constructing about 610 feet of 30-inch to 36-inch corrugated iron pipe Storm Drain, together with manholes, catch basins and connections.

Proposal blanks, form of Contract, Specifications and Plans may be obtained from the Town Engineer.

A certified check for \$100.00 must accompany all bids.

The Mayor and Council reserve the right to reject any or all bids.

RICHARD GOLDSBOROUGH,

Town Clerk.

E. G. KASTENHUBER, JR.,

Town Engineer.

Additional Proposals on Page 100

Bids close September 24, 1929.

**School****PUBLIC IMPROVEMENT COMMISSION  
BUREAU OF CONSTRUCTION**

Baltimore, Md., Sept. 3rd, 1929.

PROPOSALS will be received by the Board of Awards of Baltimore City for furnishing all labor and material necessary to erect complete the HIGHLANDTOWN SCHOOL, 18th Street, Foster Avenue and Falt Avenue, Baltimore, Maryland, for the Mayor and City Council of Baltimore, Maryland.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, and marked on the outside:

"PROPOSALS FOR THE HIGHLANDTOWN SCHOOL" and left with the City Register, Mr. A. M. Denhard, at his office in the City Hall, on or before 11 A. M. Tuesday, September 24th, 1929.

EACH BID must be accompanied by a certified check of the bidder, drawn on some clearing-house bank, in the amount of Fifteen Thousand Dollars (\$15,000.00), made payable to the Mayor and City Council of Baltimore.

The successful bidder will be required to give bond and to comply with the City Charter respecting contracts.

Drawings and specifications may be secured at the office of the Supervising Engineer of the Public Improvement Commission, 324 City Hall, on and after September 5th, 1929, on deposit of certified check for \$100.00.

The Board reserves the right to reject any or all bids.

Approved:

H. J. LEIMBACH,

Supervising Engineer.

Per R. E. L. WILLIAMS.

Approved:

MAYOR WM. F. BROENING,

President, Board of Awards.

# CLASSIFIED OPPORTUNITIES

**MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES****FOR SALE LANDS**

COAL, Timber, Copper, Kaolin, Talc, Asbestos, Free Milling Gold, Marble, Mica, Stripping Coal, Oil and Gas Belt.

EDGAR B. SHAFFER, Mineral Bluff, Ga.

NEW MEXICO—I offer from 40 to 4000 acres, new 5 year oil and gas leases in Quay County, New Mexico, at 33 cents per acre; title perfect; annual rentals only 5 cents per acre. For maps and details address Frank Strickland, Sapulpa, Oklahoma.

FOR SALE—Several tracts of mineral rights. Have one tract of 16,000 acres, another of 715 acres, which have been core-drilled and open pitted. Our geological report gives 240,000,000 tons of Rock Asphalt on the large tract and 4,000,000 tons on the small tract. For complete data address W. P. HARLEY, Bowling Green, Ky.

BENTONITE, FULLER'S EARTH, BAUXITE, JUG and POTTERY CLAYS, FIRE CLAY, BRICK and TILE CLAYS and GLASS SAND

are to be found in the territory served by the Gulf, Mobile & Northern Railroad. Through this section of Mississippi will run the new \$35,000,000 natural gas line which is being constructed from the Monroe and Richland natural gas fields of Louisiana.

White and colored labor; water and high tension power line available.

Tax abatement on new industries for five years.

Opportunity for new operations under very favorable conditions.

For full facts and information write HENRY MACE PAYNE, Geologist, Gulf, Mobile and Northern R. R., 841 Munsey Building, Washington, D. C.

**MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**

FOR SALE—482 acres virgin timber, mineral, coal and fine farming land, will cut over 1,500,000 feet Pine and Hardwood timber. Sihelnik Bros., R. 3, Nauvoo, Ala.

LAND BARGAINS—I can sell you prospective Oil, Gas, Coal and Asphalt land, located in Eastern Oklahoma, \$3 to \$5 per acre; easy terms.

JASPER N. BUTLER, Poteau, Oklahoma.

320 ACRES IRON ORE in North Georgia. Analysis, price and terms on request. We specialize in grove and farm properties, also exchange of property.

P. JOHN HART REALTY & INVESTMENT CORP.,

Fort Myers, Fla.

**CLAY AND COAL LANDS**

FOR SALE—160 acres fee simple, carrying 3½-foot seam high-grade fire clay, overlaid with a two-foot seam of high-grade coal. Excellent brick manufacturing proposition. Situated Oakman, Ala., on railroad and highway. Details and samples on request.

GEO. B. HOOPER, Oakman, Ala.

**TIMBER AND TIMBER LAND**

OWNER OFFERING 2600 ACRES VIRGIN HARDWOOD TIMBER, LOCATED ON MACADAMIZED ROAD six miles from shipping point on main line C. & O. R. R. in Va. at sacrifice price, \$16 per acre. Proprietor Central Hotel, Point Pleasant, Penna.

**FARM AND TIMBER LANDS**

2200 ACRES (600 open, 1600 heavily timbered, hardwood); fine farm home, splendid barn; fenced all around; gravel road through; 7 miles Port Gibson, Claiborne Co., Miss. Merchantable timber, estimated 3,000,000 to 5,000,000 feet. Gentleman's estate, stockraisers, hunters' paradise; deer, squirrel, coon, possum, fishing; \$15 acre. BARBOUR, Box 485, Vicksburg, Miss.

**FARM, FRUIT AND TRUCK LAND****ALABAMA**

WANTED—To get in touch with people interested in dairying, hog, poultry and sheep raising in the Sunny South. All-year-round climate, good water, good health. Have a number of ideal farms with good pastures; some have flowing artesian wells on them; will grow anything. Can be bought or rented, cheap.

OZARK CHAMBER OF COMMERCE,

H. B. DOWLING, Secretary.

Ozark, Ala.

**ARKANSAS**

FOR SALE—Red River Valley farm, approximately 1600 acres, Little River County, Arkansas; 400 acres timber, balance clear, suitable for cultivation. Several sets improvements; faces highway. Bargain price if taken at once. For information write CLEMENT FEW, Paris, Texas.

**FLORIDA****MAGNIFICENT IMPROVED RIVER FRONT**

Large, spreading live oak trees; high elevation; electricity and long distance telephone available; hard road to all parts of state on St. Johns River, opposite proposed ship canal across state; within town limits; adjoins new Colonial Inn. Apply by mail or on premises.

CHAS. F. FOWLER, Welaka, Fla.

**GEORGIA**

318 ACRES, 65 in pecan trees, 10 to 18 years; all live stock and machinery; money making proposition.

DR. GANTT, Meigs, Ga.

**LOUISIANA****FOR SALE**

200 ACRES, with river frontage. St. Charles Parish; industrial center. Address Box 37, St. Rose, La.

## FARM, FRUIT AND TRUCK LANDS

## OKLAHOMA

NORTHEASTERN OKLAHOMA  
IN THE OZARKS

Unimproved fruit, poultry, dairy and livestock lands—350 acres \$3.75 per acre, 270 acres on Highway \$4 per acre, 410 acres on Highway, three Springs, \$6.50 per acre.

70 acres improved \$1200; 30 improved \$1000 on Highway. 160 acres livestock farm, 45 in Red Clover, only \$2500. 1600 acres foreclosed black prairie lands in tracts to suit and long time payments \$35 to \$50 per acre. Fine water, climate and soil.

W. B. WOLF, Jay, Oklahoma.

## SOUTH CAROLINA

FOR SALE—Large and small farms, hunting preserves, etc. Iodine content high in food products. Investors' and farmers' opportunity to buy at sacrifice prices.

BOX 15, SUMTER, S. C.

## TEXAS

## FOR SALE

1000-acre tract of good farming land in Atascosa County, Texas, in a body at \$38.00 an acre. Write for description; no trading.

W. H. GRAHAM, Cuero, Texas.

## GAME PRESERVE

FOR SALE—5200 acres game and fish preserve; deer, turkey, quail, squirrel; fine live stock ranch; fine springs; suitable for tourist camps; good fishing, well timbered; a bargain at \$8 acre.

W. F. REEVES, Marshall, Ark.

## SOUTHERN RESORT

## VISIT

## MYRTLE BEACH, SOUTH CAROLINA

A popular and attractive Mid-South Coastal Resort City in the making

Has

## A MOST DELIGHTFUL YEAR ROUND CLIMATE

ESPECIALLY IN THE FALL  
Municipal Improvements  
Modern Hotel facilities

## GOLF

## HORSEBACK RIDING—TENNIS

FISHING AND HUNTING  
(in season)

## MOTORING

Property values enhancing

Demand increasing

For information write

MYRTLE BEACH INVESTMENT CO.,  
Myrtle Beach, S. C.

## BUSINESS OPPORTUNITIES

LONG TERM LOANS in large amounts made to industrial plants.

THOS. W. GILMER, Attorney,  
Bay Minette, Alabama.

CORPORATIONS ASSISTED in expansion programs, re-organizations, trust funds; first mortgage bond issues prepared, issued and handled.

THE REUTER COMPANY,  
Box 35, Wilmette, Ill.

ATTENTION, MANUFACTURERS—For the purpose of developing an industrial suburb near Mobile, Ala., we have a most attractive proposition to make you. Write J. V. SMITH, Agent, Mobile, Ala.

FOR SALE OR LEASE  
WILL SELL OR LEASE BEFORE SEPTEMBER 15TH CITY WATER WORKS AND ICE PLANT, MURFREESBORO, N. C. FOR 5 YEARS, WITH PRIVILEGE OF BUYING. GOOD SCHOOLS AND A GRADE COLLEGE. ACT QUICK IF DESIRED. OWNER HAS OTHER BUSINESS THAT REQUIRES ALL HIS TIME. GEO. H. CAMPBELL, MURFREESBORO, N. C.

## INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development and zoning made by specialists in locating industries.

TECHNICAL SERVICE CO.,  
Woolworth Building New York City

## WAREHOUSES

FOR RENT OR SALE—120,000 square feet, including warehouse and display room, well located for freight, express, parcel post. GEO. T. HOUSTON & CO., P. O. Box 803, Memphis, Tennessee.

## FARMS AND FACTORY SITES

LANDS OF ALL KINDS for sale, including plantations, stock farms, improved and unimproved small farms, suburban tracts for development and factory sites. Will cooperate with purchaser in development and resale of properties. ALFRED D. ST. AMANT, Baton Rouge, La.

## FACTORY SITES

## 200 TEN ACRE FARMS

Located near the U. S. Phosphoric Products Corp. and the American Cyanamid plants now under construction. Millions of dollars will be spent in development and hundreds of employees used.

Put a little of your savings NOW in one of these tracts. Profit by the growth of this industrial section. Each tract will subdivide into forty 60 foot lots, or four 2½ acre farms, on which you can build a home, have a garden, flowers and poultry.

No cash payment on principal required for three years from the first 20 purchasers. 6% yearly interest payable monthly is all that we ask. Write

W. B. GRAY

505-6 Citizens Bank Bldg.,  
Tampa, Fla.

## FACTORY BUILDINGS

FOR SALE OR LEASE—One three-story brick building, centrally located, 52x80, 1250 square feet floor space; can be made suitable for any manufacturing enterprise adapted to building this size.

ELBERT SALES CO., Elberton, Ga.

FOR LEASE—A four story brick building 50x100 including well-lighted cement basement and boiler room additional.

Suitable for hosiery or rayon weave mill. To secure industry, would lease for term of years nominal price. Other inducements, correspondence invited.

E. L. SHUFORD, Hickory, N. C.

## INDUSTRIAL PLANTS

## EXTREME SACRIFICE

Strictly modern one-story Manufacturing Plant at Kokomo, Indiana; 200,000 sq. ft. floor space; all daylight; sprinklered; track. Beautiful administration building. Wonderful buy at unbelievably low price. Get particulars quick.

FANTUS FACTORY LOCATING SERVICE,  
139 N. Clark St., Chicago.

## SOUTHERN COTTON MILL

For Sale

8000 SPINDLES

GOOD WATER POWER

Address

F. C. ABROTT & COMPANY,  
201 Johnston Building, Charlotte, N. C.

## PATENTS

MANUFACTURERS—Write for our FREE Classification Sheets of inventions for sale, covering 135 main subjects, and in one or more of which you will doubtless be interested. ADAM FISHER MFG. CO., 578 Enright, St. Louis, Mo.

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Sterling Buck, over 23 years Registered Patent Attorney. Prompt and thorough services. Suite M 629 F, Washington, D. C.

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Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 218 Johnson Building, Charlotte, N. C., and 314 McLachlen Bldg., Washington, D. C.

SEYMOUR & BRIGHT, Registered Patent Attorneys. Established 1876. PATENTS, TRADEMARKS, COPYRIGHTS. Prompt and thorough service. Suite 600-4, Barrister Building, Washington, D. C.

## SITUATIONS WANTED

CONSTRUCTION EXECUTIVE and industrial engineer, with college training and fifteen years' experience, available for connection with manufacturer or construction company. Address No. 8001, care of Manufacturers Record, Baltimore, Md.

HIGH-CLASS OFFICE MAN on account of curtailment lumber production seeks another connection. Has had charge credits and collections for widely known sales company with excellent record. Eminent qualified fill any office position of responsibility and willing start at moderate salary if future advancement ahead. Available now. Address No. 8000, care of Manufacturers Record, Baltimore, Md.

## MEN WANTED

## CITY MANAGER

The position of City Manager is now open in the City of Radford, Va., and the Council is desirous of filling this position as soon as possible. Address correspondence to

W. H. PAINTER, Mayor,  
Radford, Virginia.

## DRAFTSMEN—ELECTRICAL

with 6 to 10 years' experience in distribution of power in an industrial plant. Work consists of making wiring diagrams, conduit layouts, some switchboard layouts, motor and starting equipment installation and electrical pyrometers. Write fully.

MR. A. I. BRUNNER,

WESTERN ELECTRIC CO., INC.,  
195 BROADWAY, N. Y. CITY.

## ENGINEERS—MECHANICAL

Graduate mechanical engineers with 6 to 10 years' manufacturing plant design experience, involving steam, gas, air, fuel oil cooling water and drains; piping and fittings; temperature control, reducing valves, light structural steel supports, oil or gas furnace designs, exhaust systems and restaurant layouts. Write fully.

MR. A. I. BRUNNER,

WESTERN ELECTRIC CO., INC.,  
195 BROADWAY, N. Y. CITY.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements, your identity covered and present position protected. Established nineteen years. Send only name and address for details.

R. W. BIXBY, INC.,

103 Downtown Bldg. Buffalo, New York.

## MACHINERY AND SUPPLIES

TURBO-GENERATOR—300 K.W., 480 v., 3 ph., 60 cy., with surface condenser. MACHINERY RECORD, Richmond, Va.

ONE (1) Goulds figure No. 1531 pressure pump, 50 G.P.M., 75 lbs. pressure. Gear connected to 7 H.P. Fuller & Johnson horizontal gasoline engine. Very good condition, \$150.

ONE (1) 12 H.P. Cooke vertical single cylinder gasoline engine removed from Sanderson Cyclone blast hole drill. Very good condition, \$100.00.

ONE (1) 7 H.P. Same as above. Good condition, \$50.00.

ONE (1) 54"x12" 6" locomotive type boiler removed from Marion Steam Shovel. One (1) Gardner duplex boiler pump, size 4x2½x4, included.

Chicago Retort & Fire Brick Co., Ottawa, Ill.